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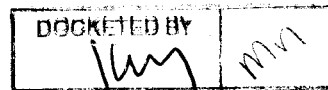
ORIGINAL

March 30, 2012

Arizona Corporation Commission
DOCKETED

MAR 30 2012

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007



RE: Arizona Public Service Company's Resource Planning Annual Filing for Historical Year 2011; Docket No. E-00000A-11-0113

Pursuant to A.A.C. R14-2-703, Arizona Public Service Company is filing its Historical Resource Planning report for 2011. The confidential portion of this filing is being provided to Staff pursuant to an executed Protective Agreement in this matter.

If you have any questions regarding this information, please contact me at (602)250-2661.

Sincerely,

Jeffrey W. Johnson
JJ/cd

cc: Brian Bozzo
Terri Ford
Barbara Keene

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AZ CORP COMMISSION
DOCKET CONTROL

Arizona Public Service Company

RESOURCE PLANNING INFORMATION

FOR THE HISTORICAL YEAR 2011

**In Compliance with
Arizona Administrative Code R14-2-703**

March 2012 Filing

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

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A.A.C. Regulation R14-2-703, Sections A & B	Location
A. <i>A load-serving entity shall, by April 1 of each year, file with Docket Control a compilation of the following items of demand-side data, including for each item for which no record is maintained the load-serving entity's best estimate and a full description of how the estimate was made:</i>	
A.1 Hourly demand for the previous calendar year, disaggregated by: <ul style="list-style-type: none"> a. Sales to end users; b. Sales for resale; c. Energy losses; and d. Other disposition of energy, such as energy furnished without charge and energy used by the load-serving entity; 	Tab I
A.2 Coincident peak demand (megawatts) and energy consumption (megawatt-hours) by month for the previous 10 years disaggregated by customer class;	Tab II
A.3 Number of customers by customer class for each of the previous 10 years; and	Tab III
A.4 Reduction in load (kilowatt and kilowatt-hours) in the previous calendar year due to existing demand management measures, by type of demand management measure.	Tab IV
B. <i>A load-serving entity shall, by April 1 of each year, file with Docket Control a compilation of the following items of supply-side data, including for each item for which no record is maintained the load-serving entity's best estimate and a full description of how the estimate was made:</i>	
B.1 For each generating unit and purchased power contract for the previous calendar year: <ul style="list-style-type: none"> a. In-service date and book life or contract period; b. Type of generating unit or contract; c. The load-serving entity's share of the generating unit's capacity, or of capacity under the contract, in megawatts; d. Maximum generating unit or contract capacity, by hour, day, or month, if such capacity varies during the year; e. Annual capacity factor (generating units only); f. Average heat rate of generating units and, if available, heat rates at selected output levels; g. Average fuel cost for generating units, in dollars per million Btu for each type of fuel; h. Other variable operating and maintenance costs for generating units, in dollars per megawatt hour; 	Tab V

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

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A.A.C. Regulation R14-2-703, Sections A & B	Location
B.1 (cont.)	
i. Purchased power energy costs for long-term contracts, in dollars per megawatt-hour;	
j. Fixed operating and maintenance costs of generating units, in dollars per megawatt;	
k. Demand charges for purchased power;	
l. Fuel type for each generating units;	
m. Minimum capacity at which the generating unit would be run or power must be purchased;	
n. Whether, under standard operating procedures, the generating unit must be run if it is available to run;	
o. Description of each generating unit as base load, intermediate, or peaking;	
p. Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation;	
q. Water consumption quantities and rates; and	
r. Tons of coal ash produced per generating unit;	
B.2 For the power supply system for the previous calendar year	Tab VI
a. A description of generating unit commitment procedures;	
b. Production cost;	
c. Reserve requirements;	
d. Spinning reserve;	
e. Reliability of generating, transmission, and distribution systems;	
f. Purchase and sale prices, averaged by month, for the aggregate of all purchases and sales related to short-term contracts; and	
g. Energy losses;	
B.3 The level of self-generation in the load-serving entity's service area for the previous calendar year; and	Tab VII
B.4 An explanation of any resources procurement processes used by the load-serving entity during the previous calendar year that did not include use of an RFP, including the exception under which the process was used.	Tab VIII

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab I

R14-2-703 Section A.1.a

Attached is the response to this section.

Page 1 of 5

3/27/2011	2,254	2,182	2,102	2,067	2,119	2,173	2,267	2,363	2,445	2,486	2,489	2,499	2,456	2,431	2,456	2,518	2,598	2,707	2,786	2,831	2,829	2,853
3/28/2011	2,162	2,102	2,102	2,118	2,302	2,340	2,601	2,695	2,634	2,603	2,631	2,649	2,647	2,660	2,688	2,721	2,766	2,787	2,786	2,761	2,742	2,765
3/29/2011	2,155	2,145	2,145	2,186	2,378	2,397	2,657	2,639	2,650	2,691	2,753	2,782	2,840	2,851	2,861	2,871	2,885	2,898	2,891	2,860	2,840	2,868
3/30/2011	2,240	2,259	2,178	2,186	2,350	2,378	2,640	2,668	2,668	2,708	2,781	2,826	2,846	2,886	2,915	2,977	3,025	3,179	3,102	2,978	2,792	2,951
3/31/2011	2,386	2,226	2,146	2,184	2,260	2,541	2,646	2,689	2,749	2,849	2,984	3,068	3,162	3,252	3,309	3,388	3,358	3,379	3,340	3,305	3,268	2,885
4/1/2011	2,260	2,267	2,217	2,251	2,347	2,650	2,685	2,757	2,864	2,990	3,124	3,247	3,381	3,529	3,672	3,764	3,636	3,594	3,434	3,328	2,968	2,711
4/2/2011	2,352	2,269	2,182	2,164	2,220	2,550	2,685	2,757	2,864	2,990	3,124	3,247	3,381	3,529	3,672	3,764	3,636	3,594	3,434	3,328	2,968	2,711
4/3/2011	2,494	2,356	2,185	2,121	2,202	2,473	2,185	2,348	2,433	2,798	2,978	3,098	3,217	3,321	3,332	3,364	3,267	3,342	3,248	3,104	2,848	2,645
4/4/2011	2,484	2,356	2,185	2,121	2,202	2,473	2,185	2,348	2,433	2,798	2,978	3,098	3,217	3,321	3,332	3,364	3,267	3,342	3,248	3,104	2,848	2,645
4/5/2011	2,302	2,250	2,168	2,198	2,357	2,530	2,617	2,679	2,688	2,712	2,745	2,773	2,795	2,843	2,918	2,975	3,005	3,154	3,101	2,937	2,655	2,423
4/6/2011	2,280	2,224	2,129	2,198	2,348	2,549	2,630	2,693	2,698	2,727	2,751	2,780	2,801	2,890	2,947	2,998	2,989	3,023	3,143	3,100	2,920	2,659
4/7/2011	2,179	2,128	2,091	2,165	2,312	2,471	2,569	2,606	2,629	2,689	2,730	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/8/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/9/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/10/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/11/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/12/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/13/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/14/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/15/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/16/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/17/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/18/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/19/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/20/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/21/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/22/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/23/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/24/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/25/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/26/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/27/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/28/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/29/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
4/30/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/1/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/2/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/3/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/4/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/5/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/6/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/7/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/8/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/9/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/10/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/11/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/12/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/13/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/14/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/15/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/16/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937	2,986	2,989	3,023	3,143	3,100	2,920	2,659
5/17/2011	2,232	2,183	2,148	2,236	2,388	2,571	2,616	2,666	2,666	2,705	2,739	2,764	2,784	2,872	2,937</							

2928	2761	2679	2681	2659	2866	3155	3405	3669	4003	4323	4589	4971	5150	5349	5477	5485	5316	5046	4825	4518	4078	3663
2929	2941	2894	2825	2835	3023	3320	3603	3881	4242	4595	4932	5271	5548	5771	5870	5825	5606	5306	5069	4777	4348	3915
2930	3137	3132	3074	3044	3184	3496	3768	4082	4454	4822	5184	5518	5790	5927	5963	5827	5540	5176	4857	4454	4015	3581
2931	3213	3074	3044	3045	3224	3551	3866	4182	4454	4741	4951	5185	5399	5545	5595	5505	5316	5030	4753	4378	3951	3518
2932	3217	3093	2954	2963	3218	3568	3820	4146	4385	4655	4872	5124	5364	5527	5619	5614	5477	5189	4976	4681	4260	3888
2933	3289	3083	2978	2988	3188	3486	3791	4141	4454	4751	4974	5208	5452	5602	5684	5684	5477	5189	4976	4681	4260	3888
2934	3287	3120	3013	3018	3282	3610	3931	4266	4544	4814	5053	5300	5562	5698	5763	5763	5435	5232	4937	4533	4120	3694
2935	3466	3287	3171	3118	3398	3731	4066	4406	4774	5026	5284	5568	5862	5984	6059	6059	5645	5413	5281	5004	4553	4120
2936	3682	3516	3381	3324	3698	4033	4369	4726	5044	5364	5654	5968	6292	6524	6708	6708	6292	5968	5654	5342	4937	4533
2937	3849	3733	3619	3552	3922	4262	4606	4964	5284	5606	5896	6208	6524	6848	7080	7080	6524	6208	5896	5582	5281	4937
2938	4149	3973	3859	3782	4262	4606	4964	5284	5606	5896	6208	6524	6848	7080	7080	7080	6524	6208	5896	5582	5281	4937
2939	4352	4176	4062	3985	4462	4802	5146	5486	5826	6166	6506	6846	7186	7526	7760	7760	7186	6846	6506	6166	5826	5486
2940	4555	4379	4265	4188	4668	5008	5348	5688	6028	6368	6708	7048	7388	7728	7962	7962	7388	7048	6708	6368	6028	5688
2941	4758	4582	4468	4391	4871	5211	5551	5891	6231	6571	6911	7251	7591	7931	8165	8165	7591	7251	6911	6571	6231	5891
2942	4961	4785	4671	4594	5074	5414	5754	6094	6434	6774	7114	7454	7794	8134	8368	8368	7794	7454	7114	6774	6434	6094
2943	5164	4988	4874	4797	5277	5617	5957	6297	6637	6977	7317	7657	7997	8337	8571	8571	7997	7657	7317	6977	6637	6297
2944	5367	5191	5077	5000	5480	5820	6160	6500	6840	7180	7520	7860	8200	8540	8774	8774	8200	7860	7520	7180	6840	6500
2945	5570	5394	5280	5203	5683	6023	6363	6703	7043	7383	7723	8063	8403	8743	8977	8977	8403	8063	7723	7383	7043	6703
2946	5773	5597	5483	5406	5886	6226	6566	6906	7246	7586	7926	8266	8606	8946	9180	9180	8606	8266	7926	7586	7246	6906
2947	5976	5800	5686	5609	6089	6429	6769	7109														

9/15/2011	2.923	2.787	2.687	2.654	3.126	3.468	3.673	3.826	4.014	4.169	4.273	4.338	4.395	4.432	4.453	3.961	3.734	3.420	3.153
9/16/2011	2.954	2.820	2.683	2.620	3.102	3.523	3.866	4.059	4.204	4.319	4.419	4.478	4.521	4.549	4.568	4.072	3.848	3.534	3.267
9/17/2011	3.089	2.934	2.827	2.752	2.709	3.277	3.568	3.727	3.892	4.047	4.180	4.296	4.334	4.347	4.353	3.987	3.669	3.336	3.069
9/18/2011	2.833	2.711	2.599	2.552	2.518	3.131	3.405	3.663	3.941	4.175	4.380	4.508	4.577	4.598	4.605	4.141	3.840	3.488	3.166
9/19/2011	2.891	2.742	2.681	2.620	2.763	3.289	3.578	3.823	4.054	4.274	4.472	4.682	4.744	4.754	4.758	4.293	3.980	3.636	3.324
9/20/2011	2.946	2.790	2.681	2.627	2.763	3.289	3.578	3.823	4.054	4.274	4.472	4.682	4.744	4.754	4.758	4.293	3.980	3.636	3.324
9/21/2011	2.931	2.771	2.661	2.602	2.620	3.179	3.458	3.703	3.984	4.165	4.348	4.542	4.598	4.605	4.608	4.141	3.840	3.488	3.166
9/22/2011	3.030	2.871	2.758	2.694	2.882	3.378	3.659	3.894	4.061	4.237	4.427	4.627	4.682	4.687	4.692	4.227	3.914	3.581	3.313
9/23/2011	3.103	2.919	2.805	2.740	2.745	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/24/2011	3.116	2.932	2.818	2.754	2.676	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/25/2011	3.243	3.094	2.966	2.896	2.784	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/26/2011	2.866	2.698	2.601	2.530	2.602	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/27/2011	3.044	2.884	2.766	2.672	2.627	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/28/2011	3.023	2.865	2.748	2.654	2.609	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/29/2011	3.052	2.894	2.777	2.683	2.638	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
9/30/2011	3.081	2.923	2.806	2.712	2.667	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/1/2011	3.110	2.952	2.835	2.741	2.696	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/2/2011	3.139	2.981	2.864	2.769	2.724	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/3/2011	3.168	2.999	2.882	2.794	2.749	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/4/2011	3.197	3.018	2.901	2.813	2.768	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/5/2011	3.226	3.047	2.930	2.842	2.797	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/6/2011	3.255	3.076	2.959	2.869	2.824	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/7/2011	3.284	3.105	2.988	2.898	2.853	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/8/2011	3.313	3.134	3.017	2.927	2.882	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/9/2011	3.342	3.163	3.046	2.956	2.911	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/10/2011	3.371	3.192	3.075	2.985	2.940	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/11/2011	3.400	3.221	3.104	3.014	2.969	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/12/2011	3.429	3.250	3.133	3.043	2.998	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/13/2011	3.458	3.279	3.162	3.072	3.027	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/14/2011	3.487	3.308	3.191	3.101	3.056	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/15/2011	3.516	3.337	3.220	3.130	3.085	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/16/2011	3.545	3.366	3.249	3.159	3.114	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/17/2011	3.574	3.395	3.278	3.188	3.143	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/18/2011	3.603	3.424	3.307	3.217	3.172	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/19/2011	3.632	3.453	3.336	3.246	3.201	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/20/2011	3.661	3.482	3.365	3.275	3.230	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/21/2011	3.690	3.511	3.394	3.304	3.259	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/22/2011	3.719	3.540	3.423	3.333	3.288	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/23/2011	3.748	3.569	3.452	3.362	3.317	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/24/2011	3.777	3.598	3.481	3.391	3.346	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/25/2011	3.806	3.627	3.510	3.420	3.375	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/26/2011	3.835	3.656	3.539	3.449	3.404	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/27/2011	3.864	3.685	3.568	3.478	3.433	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/28/2011	3.893	3.714	3.597	3.507	3.462	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/29/2011	3.922	3.743	3.626	3.536	3.491	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/30/2011	3.951	3.772	3.655	3.565	3.520	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
10/31/2011	3.980	3.801	3.684	3.594	3.549	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/1/2011	4.009	3.830	3.713	3.623	3.578	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/2/2011	4.038	3.859	3.742	3.652	3.607	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/3/2011	4.067	3.888	3.771	3.681	3.636	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/4/2011	4.096	3.917	3.800	3.710	3.665	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/5/2011	4.125	3.946	3.829	3.739	3.694	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/6/2011	4.154	3.975	3.858	3.768	3.723	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/7/2011	4.183	4.004	3.887	3.797	3.752	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/8/2011	4.212	4.033	3.916	3.826	3.781	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/9/2011	4.241	4.062	3.945	3.855	3.810	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/10/2011	4.270	4.091	3.974	3.884	3.839	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/11/2011	4.299	4.120	4.003	3.913	3.868	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/12/2011	4.328	4.149	4.032	3.942	3.897	3.289	3.569	3.851	4.121	4.417	4.726	4.974	5.021	5.024	4.559	4.289	3.944	3.604	3.340
11/13/2011	4.357	4.178	4.061	3.971	3.926	3.289	3.569</												

Arizona Public Service Company
2012 Resource Planning Filing
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12/10/2011	2742	2686	2685	2716	2761	2688	3006	3131	3090	2959	2815	2739	2863	2593	2539	2609	2870	3030	3012	2992	2946	2925	2736
12/11/2011	2636	2503	2537	2506	2661	2732	2689	2973	2980	2952	2744	2676	2802	2532	2479	2539	2813	2965	3150	2992	2971	2925	2583
12/12/2011	2457	2403	2370	2463	2463	2732	2689	3118	3087	2952	2744	2676	2802	2532	2479	2539	2813	2965	3150	2992	2971	2925	2583
12/13/2011	2545	2512	2519	2557	2466	2658	3169	3246	3167	3025	2978	2885	2894	2948	3010	2539	2813	2965	3150	2992	2971	2925	2583
12/14/2011	2721	2684	2653	2653	2725	2698	3169	3246	3167	3025	2978	2885	2894	2948	3010	2539	2813	2965	3150	2992	2971	2925	2583
12/15/2011	2715	2686	2675	2688	2725	2698	3169	3246	3167	3025	2978	2885	2894	2948	3010	2539	2813	2965	3150	2992	2971	2925	2583
12/16/2011	2715	2686	2675	2688	2725	2698	3169	3246	3167	3025	2978	2885	2894	2948	3010	2539	2813	2965	3150	2992	2971	2925	2583
12/17/2011	2511	2429	2407	2388	2715	2926	3237	3318	3123	2959	2836	2775	2894	2820	2893	2539	2813	2965	3150	2992	2971	2925	2583
12/18/2011	2481	2405	2359	2355	2440	2508	3237	3318	3123	2959	2836	2775	2894	2820	2893	2539	2813	2965	3150	2992	2971	2925	2583
12/19/2011	2598	2519	2517	2533	2530	2826	3084	3174	3088	2957	2894	2813	2808	2795	2785	2539	2813	2965	3150	2992	2971	2925	2583
12/20/2011	2568	2497	2457	2476	2568	2755	3013	3125	3053	2974	2869	2788	2737	2708	2695	2539	2813	2965	3150	2992	2971	2925	2583
12/21/2011	2540	2577	2573	2602	2735	2940	3242	3353	3204	3127	2885	2808	2737	2666	2628	2539	2813	2965	3150	2992	2971	2925	2583
12/22/2011	2572	2617	2620	2649	2777	3006	3287	3406	3323	3127	2944	2944	2876	2826	2778	2539	2813	2965	3150	2992	2971	2925	2583
12/23/2011	2552	2681	2650	2663	2940	3099	3309	3417	3366	3187	3045	2943	2876	2826	2778	2539	2813	2965	3150	2992	2971	2925	2583
12/24/2011	2538	2874	2866	2885	2948	3040	3169	3311	3328	3203	3058	2968	2840	2744	2678	2539	2813	2965	3150	2992	2971	2925	2583
12/25/2011	2516	2762	2762	2773	2827	2899	3319	3356	3335	3246	2765	2687	2583	2475	2397	2539	2813	2965	3150	2992	2971	2925	2583
12/26/2011	2709	2684	2679	2710	2815	2933	3382	3371	3371	3208	2888	2797	2685	2574	2509	2539	2813	2965	3150	2992	2971	2925	2583
12/27/2011	2788	2764	2779	2830	2931	3119	3354	3481	3371	3156	2981	2875	2741	2645	2571	2539	2813	2965	3150	2992	2971	2925	2583
12/28/2011	2767	2705	2717	2769	2867	3053	3386	3416	3372	3137	2960	2860	2739	2641	2571	2539	2813	2965	3150	2992	2971	2925	2583
12/29/2011	2659	2632	2638	2654	2755	2919	3130	3272	3206	3014	2858	2781	2709	2633	2578	2539	2813	2965	3150	2992	2971	2925	2583
12/30/2011	2569	2551	2535	2560	2646	2815	3013	3137	3106	2934	2793	2737	2639	2563	2543	2539	2813	2965	3150	2992	2971	2925	2583
12/31/2011	2461	2401	2381	2439	2474	2525	2929	2740	2791	2759	2679	2627	2557	2508	2477	2491	2569	2801	2893	2779	2707	2608	2574

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab I

R14-2-703 Section: A.1.b

Hourly demand for the previous calendar year is not available. Monthly megawatt-hours (MWh) are listed below.

		SALES FOR RESALE											
		2011											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)		40,316	45,837	55,724	69,394	83,524	112,130	117,688	131,335	117,976	96,117	41,177	38,764

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab I

R14-2-703 Section: A.1.c

Hourly demand for the previous calendar year is not available. Monthly MWh are listed below.

		ENERGY LOSSES											
		2010											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)		125,847	135,270	145,196	140,430	153,910	181,910	182,620	216,581	214,353	177,505	115,199	120,680

Energy losses shown are exclusive of APS unregulated activities.

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab I

R14-2-703 Section: A.1.d

Hourly demand for the previous calendar year is not available. Monthly MWh are listed below.

	COMPANY USE											
	2011											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)	7,493	5,194	6,030	4,115	6,659	4,578	6,116	4,835	4,913	4,651	4,193	4,932

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab II

R14-2-703 Section A.2

Coincident peak demand (megawatts) and energy consumption (megawatt-hours) by month for the previous 10 years disaggregated by customer class.

Information for the twelve months ending December 2011 is attached. The previous ten years of coincident peak demand and energy consumption can be found in previous versions of Arizona Public Service Company's Resource Planning Annual Filings on file with the Arizona Corporation Commission.



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Total Residential ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
--	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

SUMMATION IND MAX (MW)												
Non-Timed	6,320.4	6,294.5	5,717.1	6,037.7	6,207.4	7,198.3	7,524.0	7,652.3	7,099.7	6,194.5	5,527.1	6,505.5
On-Peak	4,873.6	5,023.7	4,656.3	4,889.6	5,232.1	6,406.3	6,634.8	6,896.3	6,332.7	5,180.9	4,473.5	5,365.9
Off-Peak	6,112.5	6,041.1	5,385.2	5,759.2	5,888.0	6,867.5	7,235.7	7,224.1	6,666.6	5,905.9	5,243.3	6,264.6

CLASS PEAK (MW)												
On-Peak Weighted	2,084.4	2,700.8	1,829.8	2,021.5	2,655.5	3,467.7	4,067.4	4,365.7	4,196.6	2,705.9	1,688.6	2,233.6
Off-Peak Weighted	2,523.8	2,909.1	1,928.1	2,243.6	2,735.0	3,432.1	4,210.1	4,557.9	4,097.3	3,176.4	1,739.7	2,562.0

COINCIDENT (MW)												
System	1,936.1	2,378.5	1,591.9	1,767.3	2,294.9	3,449.7	3,711.9	3,811.6	3,509.6	2,856.9	1,401.6	2,068.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)												
On-Peak	258,249	231,516	248,440	232,947	292,211	475,202	591,625	690,507	539,043	290,806	200,857	263,309
%	25.6%	27.4%	31.1%	30.9%	32.2%	36.3%	33.6%	37.8%	36.4%	30.6%	28.8%	27.8%
Off-Peak	749,970	613,999	549,421	520,268	613,937	832,794	1,170,191	1,138,474	941,716	660,583	497,763	684,639
%	74.4%	72.6%	68.9%	69.1%	67.8%	63.7%	66.4%	62.2%	63.6%	69.4%	71.2%	72.2%
Total	1,008,219	845,515	797,861	753,215	906,148	1,307,996	1,761,816	1,828,981	1,480,759	951,389	698,620	947,948

CUSTOMERS												
Monthly Count	999,350	999,573	1,000,152	995,954	991,869	989,991	988,230	988,300	990,578	989,684	993,561	1,003,689

FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.306	0.378	0.278	0.293	0.370	0.479	0.493	0.498	0.494	0.461	0.254	0.318
Load Factor (Max) %	21.9%	18.4%	19.1%	17.1%	20.0%	24.9%	32.1%	32.7%	28.6%	21.0%	17.3%	20.0%
Load Factor (NCP) %	54.7%	39.8%	56.7%	46.0%	45.4%	51.7%	57.3%	55.0%	48.3%	41.0%	55.0%	50.7%
Load Factor (CP) %	71.3%	48.7%	68.7%	58.4%	54.1%	51.9%	65.0%	65.7%	57.8%	45.6%	68.3%	62.8%

CUSTOMER AVERAGES												
Energy Use (kWh)	1,009	846	798	756	914	1,321	1,783	1,851	1,495	961	703	944
Ind. Max Demand (kW)	6.32	6.30	5.72	6.06	6.26	7.27	7.61	7.74	7.17	6.26	5.56	6.48
Coincident Demand (kW)	1.94	2.38	1.59	1.77	2.31	3.48	3.76	3.86	3.54	2.89	1.41	2.06

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 am - 9 pm, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season		
7,652.3	6,505.5	7,652.3
6,896.3	5,365.9	6,896.3
7,235.7	6,264.6	7,235.7

Class Peak by Season		
4,365.7	2,700.8	4,365.7
4,557.9	2,909.1	4,557.9

Coincident Peak by Season		
3,811.6	2,378.5	3,811.6

Energy Summation by Season		
2,879,394	1,435,319	4,314,713
35.0%	28.4%	32.5%
5,357,695	3,616,059	8,973,754
65.0%	71.6%	67.5%
8,237,089	5,051,378	13,288,467

Customer Averages by Season		
999,775	998,713	994,244

Seasonal Factors		
0.498	0.366	0.498
24.6%	17.7%	19.8%
41.3%	39.6%	33.3%
50.7%	55.8%	40.9%

Seasonal Averages		
1,387	843	1,115
7.05	6.07	6.56
3.31	1.86	2.58



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** Residential E-12 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	2,388.5	2,427.2	2,160.7	2,192.3	2,088.7	2,366.8	2,455.8	2,495.0	2,226.4	2,025.0	1,966.4	2,353.9
On-Peak	2,031.8	2,114.8	1,919.7	1,880.6	1,878.3	2,125.4	2,294.3	2,363.3	2,083.0	1,814.1	1,736.7	2,063.4
Off-Peak	2,245.5	2,243.8	1,964.6	2,030.9	1,893.5	2,219.2	2,277.4	2,236.8	1,981.7	1,844.3	1,790.4	2,181.9
CLASS PEAK (MW)												
On-Peak	695.7	909.6	577.8	687.2	752.9	1,124.2	1,215.2	1,312.6	1,227.5	755.0	530.5	739.6
Off-Peak	902.1	938.5	612.4	653.2	730.7	1,036.5	1,191.8	1,299.5	1,164.7	845.4	527.7	762.3
COINCIDENT (MW)												
System	604.0	764.7	497.0	605.6	635.9	786.1	1,014.4	1,107.6	1,012.7	724.7	414.6	599.7
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	112,277	102,996	109,337	96,155	108,774	152,454	204,661	234,273	182,963	99,489	79,359	112,421
%	32.0%	34.4%	39.2%	38.5%	39.8%	41.2%	41.4%	46.4%	45.5%	38.7%	38.1%	35.1%
Off-Peak	238,987	196,309	169,496	153,503	164,487	217,913	289,137	270,789	218,873	157,867	129,102	207,734
%	68.0%	65.6%	60.8%	61.5%	60.2%	58.8%	58.6%	53.6%	54.5%	61.3%	61.9%	64.9%
Total	351,274	299,305	278,833	249,658	273,261	370,367	493,798	505,062	401,866	257,356	208,461	320,155
CUSTOMERS												
Monthly Count	480,109	481,294	481,862	478,881	473,842	471,578	469,380	466,785	465,683	463,498	466,971	472,283
FACTORS												
Load Factor (Max) %	20.1%	16.9%	17.7%	15.6%	17.9%	21.4%	27.5%	27.7%	24.7%	17.4%	14.5%	18.6%
Load Factor (NCP) %	53.3%	43.7%	62.4%	49.8%	49.7%	45.1%	55.7%	52.7%	44.8%	41.7%	53.8%	57.5%
Load Factor (CP) %	79.7%	53.6%	76.9%	56.5%	58.9%	64.5%	66.7%	62.5%	54.4%	48.6%	66.9%	73.1%
CUSTOMER AVERAGES												
Energy Use (kWh)	732	622	579	521	577	785	1,052	1,082	863	555	446	678
Ind. Max Demand (kW)	4.98	5.04	4.48	4.58	4.41	5.02	5.23	5.35	4.78	4.37	4.21	4.98
Coincident Demand (kW)	1.26	1.59	1.03	1.26	1.34	1.67	2.16	2.37	2.17	1.56	0.89	1.27

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Residential ET-1 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	1,892.0	1,823.6	1,662.7	1,756.8	1,850.0	2,145.1	2,183.1	2,201.5	2,014.6	1,670.8	1,386.7	1,602.1
On-Peak	1,467.4	1,461.7	1,324.5	1,434.0	1,590.4	1,929.1	1,919.4	1,984.1	1,841.0	1,395.6	1,152.8	1,339.3
Off-Peak	1,842.2	1,775.9	1,574.4	1,899.2	1,777.0	2,038.2	2,126.2	2,113.7	1,895.7	1,617.6	1,324.8	1,563.6
CLASS PEAK (MW)												
On-Peak	651.7	786.2	537.6	607.3	868.1	1,326.3	1,230.3	1,305.8	1,214.8	782.1	435.3	560.2
Off-Peak	791.0	904.6	595.1	725.9	876.5	1,297.0	1,327.5	1,372.8	1,187.2	907.0	468.7	672.6
CONCIDENT (MW)												
System	634.1	730.8	442.6	483.4	744.5	1,297.9	1,162.9	1,162.8	1,026.0	809.8	361.3	540.4
Time	5h@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	84,674	74,045	76,342	72,808	97,205	173,698	204,982	234,798	181,411	91,824	60,486	72,463
%	26.8%	28.6%	31.6%	31.8%	34.5%	41.5%	37.2%	41.6%	40.7%	33.3%	32.0%	30.2%
Off-Peak	230,729	185,111	165,006	153,836	184,794	244,775	345,977	329,508	264,348	184,042	128,282	167,791
%	73.2%	71.4%	68.4%	68.2%	65.5%	58.5%	62.8%	58.4%	59.3%	66.7%	68.0%	69.8%
Total	315,403	259,156	241,348	228,646	281,999	418,473	550,959	564,306	445,759	275,866	188,768	240,254
CUSTOMERS												
Monthly Count	264,917	260,778	256,833	252,412	249,089	244,712	238,203	233,504	226,946	220,886	215,597	214,076
FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.335	0.401	0.266	0.275	0.402	0.605	0.533	0.528	0.509	0.485	0.261	0.337
Load Factor (Max) %	22.8%	19.5%	19.9%	17.8%	20.9%	26.7%	34.6%	35.1%	30.3%	22.6%	18.6%	20.5%
Load Factor (NCP) %	54.6%	39.2%	55.6%	43.1%	44.1%	43.2%	56.9%	56.3%	50.3%	41.7%	55.2%	48.9%
Load Factor (CP) %	68.1%	48.6%	74.7%	64.8%	51.9%	44.2%	64.9%	66.5%	59.5%	46.7%	71.6%	60.9%
CUSTOMER AVERAGES												
Energy Use (kWh)	1,191	994	940	906	1,132	1,710	2,313	2,417	1,964	1,250	876	1,122
Ind. Max Demand (kW)	7.14	6.99	6.47	6.96	7.43	8.77	9.17	9.43	8.88	7.57	6.43	7.48
Coincident Demand (kW)	2.39	2.80	1.72	1.92	2.99	5.30	4.88	4.98	4.52	3.67	1.68	2.52
SEASONAL FACTORS												
Seasonal Factors	0.590	0.386	0.590	0.590	0.485	0.509	0.485	0.261	0.337	0.337	0.337	0.337
Load Factor (Max) %	26.3%	17.8%	20.8%	20.8%	22.6%	30.3%	35.1%	35.1%	30.3%	22.6%	18.6%	20.5%
Load Factor (NCP) %	42.2%	37.2%	42.2%	42.2%	41.7%	50.3%	50.3%	50.3%	41.7%	55.2%	48.9%	48.9%
Load Factor (CP) %	49.8%	62.3%	49.8%	49.8%	46.7%	59.5%	59.5%	59.5%	46.7%	71.6%	60.9%	60.9%
SEASONAL AVERAGES												
Seasonal Averages	1,798	1,005	1,401	1,401	1,250	876	1,122	1,122	876	1,122	876	1,122
Ind. Max Demand (kW)	8.54	6.91	7.73	7.73	7.57	6.43	7.48	7.48	6.43	7.48	7.48	7.48
Coincident Demand (kW)	4.39	2.17	3.28	3.28	3.67	1.68	2.52	2.52	1.68	2.52	2.52	2.52

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Residential ECT-1R ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	402.1	389.6	358.5	390.1	414.9	498.2	509.5	503.6	443.8	377.0	300.0	351.0
On-Peak	303.9	317.6	300.4	321.9	352.6	446.9	451.2	454.2	409.5	313.9	253.2	290.6
Off-Peak	397.5	381.4	340.3	377.6	402.0	472.8	495.6	483.0	421.8	366.8	285.7	342.9

CLASS PEAK (MW)

On-Peak	150.8	188.0	147.3	167.1	229.7	342.0	318.3	329.2	293.6	197.2	118.4	137.8
Off-Peak	199.7	231.3	150.5	183.6	245.0	336.5	340.0	338.9	299.9	245.5	125.6	175.4

COINCIDENT (MW)

System	154.0	192.1	128.7	148.1	199.8	341.9	303.7	292.0	249.3	223.2	100.8	138.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	25,128	21,837	23,816	22,389	29,721	49,468	56,921	64,056	49,309	26,191	18,112	21,948
%	28.2%	29.9%	33.7%	33.3%	35.6%	41.7%	37.4%	41.6%	40.6%	33.3%	32.1%	30.4%
Off-Peak	64,042	51,237	46,757	44,777	53,753	69,110	95,154	90,083	72,040	52,560	38,234	50,196
%	71.8%	70.1%	66.3%	66.7%	64.4%	58.3%	62.6%	58.4%	59.4%	66.7%	67.9%	69.6%
Total	89,170	73,074	70,573	67,166	83,474	118,578	152,075	154,139	121,349	78,751	56,346	72,144

CUSTOMERS

Monthly Count	45,271	44,742	44,210	43,623	43,195	42,647	41,543	40,842	39,995	39,396	38,875	38,747
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.383	0.493	0.359	0.380	0.482	0.686	0.596	0.560	0.562	0.592	0.336	0.393
Load Factor (Max) %	30.4%	25.7%	27.0%	23.6%	27.6%	32.6%	40.9%	41.9%	37.5%	28.6%	25.7%	28.2%
Load Factor (NCP) %	61.2%	43.3%	64.2%	50.1%	46.7%	47.5%	61.3%	62.3%	55.4%	43.9%	61.5%	56.3%
Load Factor (CP) %	79.3%	52.1%	75.1%	62.1%	57.2%	47.5%	68.6%	72.3%	66.7%	48.3%	76.6%	71.6%

CUSTOMER AVERAGES

Energy Use (kWh)	1,970	1,633	1,596	1,540	1,932	2,780	3,661	3,774	3,034	1,999	1,449	1,862
Ind. Max Demand (kW)	8.88	8.71	8.11	8.94	9.61	11.68	12.27	12.33	11.10	9.57	7.72	9.06
Coincident Demand (kW)	3.40	4.29	2.91	3.39	4.63	8.02	7.31	7.15	6.23	5.67	2.59	3.56

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 pm - 9 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

509.5	402.1	509.5
454.2	321.9	454.2
495.6	397.5	495.6

Class Peak by Season

342.0	185.0	342.0
340.0	231.3	340.0

Coincident Peak by Season

341.9	192.1	341.9
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Energy Summation by Season

275,666	133,231	408,896
38.9%	31.1%	36.0%
432,700	295,242	727,943
61.1%	68.9%	64.0%
708,366	428,473	1,136,839

Customer Averages by Season

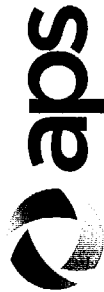
41,270	42,578	41,924
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Seasonal Factors

0.671	0.478	0.671
31.7%	24.3%	25.5%
47.3%	42.3%	37.9%
53.3%	70.8%	42.7%

Seasonal Averages

2,863	1,675	2,263
11.09	8.57	9.83
6.50	3.36	4.93



Load Research Cost of Service Data
Test Year Ended December 31, 2011
 *** Residential ET-2 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	1,223.8	1,236.0	1,153.0	1,266.0	1,373.9	1,610.9	1,735.3	1,789.0	1,766.0	1,549.9	1,406.1	1,643.7
On-Peak	813.8	864.7	843.9	948.4	1,055.7	1,384.3	1,474.4	1,558.2	1,483.4	1,233.2	1,003.5	1,252.7
Off-Peak	1,214.5	1,224.7	1,129.9	1,228.2	1,342.9	1,568.4	1,703.1	1,741.0	1,721.4	1,512.4	1,382.0	1,629.8
CLASS PEAK (MW)												
On-Peak	380.4	496.0	377.9	433.0	583.0	821.2	970.7	1,039.1	1,046.4	699.9	412.6	537.8
Off-Peak	487.3	600.2	430.3	505.5	611.0	821.8	997.6	1,110.2	1,007.8	845.3	471.5	681.4
COINCIDENT (MW)												
System	378.2	490.2	374.2	389.3	511.0	756.1	876.7	894.8	877.6	759.7	365.6	555.9
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	24th@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	25,091	22,823	27,272	29,057	39,716	69,891	89,508	112,234	88,742	51,105	29,775	39,208
%	14.5%	15.4%	19.2%	20.4%	21.7%	25.3%	22.8%	26.7%	25.0%	22.0%	17.9%	18.1%
Off-Peak	148,267	125,276	114,816	113,207	143,518	206,257	302,720	307,341	265,692	181,484	136,798	176,824
%	85.5%	84.6%	80.8%	79.6%	78.3%	74.7%	77.2%	73.3%	75.0%	78.0%	82.1%	81.9%
Total	173,358	148,099	142,088	142,264	183,234	276,148	392,228	419,575	354,434	232,589	166,573	216,032
CUSTOMERS												
Monthly Count	162,828	166,039	169,931	173,185	177,139	181,403	186,748	192,781	201,003	207,122	211,703	216,586
FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.309	0.397	0.325	0.308	0.372	0.469	0.505	0.500	0.497	0.490	0.260	0.338
Load Factor (Max) %	19.4%	16.4%	16.9%	15.4%	18.3%	23.5%	31.0%	32.1%	27.5%	20.6%	16.2%	18.0%
Load Factor (NCP) %	48.7%	33.8%	45.2%	38.6%	41.1%	46.0%	53.9%	51.8%	46.4%	37.7%	48.4%	43.4%
Load Factor (CP) %	62.8%	41.4%	52.0%	50.1%	49.1%	50.0%	61.3%	64.2%	55.3%	41.9%	62.4%	53.2%
CUSTOMER AVERAGES												
Energy Use (kWh)	1,065	892	836	821	1,034	1,522	2,100	2,176	1,763	1,123	787	997
Ind. Max Demand (kW)	7.52	7.44	6.79	7.31	7.76	8.88	9.29	9.28	8.79	7.48	6.64	7.59
Coincident Demand (kW)	2.32	2.95	2.20	2.25	2.88	4.17	4.69	4.64	4.37	3.67	1.73	2.57

TOU Periods - All Months: On-Peak 12 pm - 7 pm, M-F Off-Peak 7 pm - 12 pm, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Residential ECT-2 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	412.5	416.8	380.9	431.0	478.3	575.3	637.7	660.5	646.1	589.1	465.3	551.7
On-Peak	255.7	264.0	266.9	304.5	353.9	519.1	493.5	534.2	513.9	422.2	325.8	417.7
Off-Peak	411.5	413.9	374.8	421.8	471.0	556.8	630.7	646.8	635.3	562.1	457.9	543.2
CLASS PEAK (MW)												
On-Peak	147.1	176.7	140.6	163.1	238.9	375.1	354.3	396.8	397.2	286.1	180.6	214.2
Off-Peak	207.0	243.7	171.0	212.2	271.3	373.6	406.9	446.7	428.3	371.2	205.1	286.5
COINCIDENT (MW)												
System	165.3	200.2	149.0	140.6	203.3	266.9	353.1	353.5	343.1	338.4	158.8	233.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	11,050	9,786	11,642	12,507	16,751	29,614	35,452	45,011	36,479	22,125	13,074	17,190
%	14.0%	14.9%	18.0%	19.2%	20.0%	23.9%	20.6%	24.3%	23.3%	20.8%	16.7%	17.4%
Off-Peak	67,763	55,909	53,202	52,795	67,191	94,474	136,739	140,246	120,316	84,298	65,077	81,710
%	86.0%	85.1%	82.0%	80.8%	80.0%	76.1%	79.4%	75.7%	76.7%	79.2%	83.3%	82.6%
Total	78,813	65,695	64,844	65,302	83,942	124,088	172,191	185,257	156,795	106,423	78,151	98,900
CUSTOMERS												
Monthly Count	46,031	46,523	47,113	47,632	48,370	49,405	52,037	54,056	56,599	58,600	60,012	61,576
FACTORS												
Coincident Factor (CP)	0.401	0.480	0.391	0.326	0.425	0.464	0.564	0.535	0.531	0.595	0.341	0.423
Load Factor (Max) %	26.2%	21.8%	23.3%	20.8%	24.0%	29.5%	37.0%	38.4%	33.2%	25.6%	23.0%	24.6%
Load Factor (NCP) %	52.1%	36.9%	52.0%	42.2%	42.4%	45.3%	58.0%	56.8%	50.1%	39.3%	52.2%	47.3%
Load Factor (CP) %	65.3%	45.0%	59.6%	63.6%	56.6%	63.7%	68.8%	71.8%	62.6%	43.1%	67.4%	58.1%
CUSTOMER AVERAGES												
Energy Use (kWh)	1,712	1,412	1,376	1,371	1,795	2,512	3,309	3,427	2,770	1,816	1,302	1,606
Ind. Max Demand (kW)	8.96	8.96	8.08	9.05	9.89	11.64	12.25	12.22	11.42	9.71	7.75	8.96
Coincident Demand (kW)	3.59	4.30	3.16	2.95	4.20	5.40	6.79	6.54	6.06	5.77	2.65	3.79
SEASONAL DATA												
SUMMER (May-Oct)												
Summation Ind Max by Season	660.5											660.5
On-Peak	534.2											534.2
Off-Peak	646.8											646.8
WINTER (Nov-Apr)												
Summation Ind Max by Season		551.7										
On-Peak		417.7										
Off-Peak		543.2										
ANNUAL												
Summation Ind Max by Season	660.5											
On-Peak	534.2											
Off-Peak	646.8											
CLASS PEAK by Season												
On-Peak	397.2											
Off-Peak	446.7											
COINCIDENT by Season												
System	353.5											
Time	233.1											
ENERGY by Season												
On-Peak	185,432											
%	22.4%											
Off-Peak	643,264											
%	77.6%											
Total	828,696											
CUSTOMER AVERAGES by Season												
Monthly Count	53,178											
FACTORS by Season												
Coincident Factor (CP)	0.535											
Load Factor (Max) %	28.6%											
Load Factor (NCP) %	42.4%											
Load Factor (CP) %	53.6%											
SEASONAL AVERAGES												
Energy Use (kWh)	2,595											
Ind. Max Demand (kW)	11.19											
Coincident Demand (kW)	5.79											

TOU Periods - All Months: On-Peak 12 pm - 12 pm, M-F Off-Peak 7 pm - 12 pm, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Residential ET-SP ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	1.3	1.4	1.3	1.5	1.6	2.0	2.7	2.8	2.7	2.7	2.5	3.1
On-Peak	0.9	0.9	0.9	0.3	1.1	1.6	2.0	2.2	2.0	1.9	1.6	2.2
Off-Peak	1.3	1.4	1.3	1.4	1.6	1.9	2.6	2.7	2.7	2.7	2.5	3.1
CLASS PEAK (MW)												
On-Peak	0.5	0.5	0.3	0.4	0.5	0.9	1.1	1.2	1.1	1.0	0.6	0.8
Off-Peak	0.5	0.6	0.4	0.5	0.7	1.0	1.4	1.5	1.4	1.2	0.8	1.2
COINCIDENT (MW)												
System	0.5	0.5	0.4	0.3	0.4	0.8	1.1	0.9	0.9	1.1	0.5	0.9
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	30	28	31	32	44	76	101	136	110	72	51	79
%	14.7%	15.3%	17.7%	17.9%	18.4%	22.3%	17.8%	21.2%	19.8%	17.7%	15.9%	17.1%
Off-Peak	171	158	144	147	194	266	464	506	446	332	270	384
%	85.3%	84.7%	82.3%	82.1%	81.6%	77.7%	82.2%	78.8%	80.2%	82.3%	84.1%	82.9%
Total	201	186	175	179	238	342	565	642	556	404	321	463
CUSTOMERS												
Monthly Count	194	197	203	221	234	246	319	332	352	382	403	421
FACTORS												
Coincident Factor (CP)	0.373	0.350	0.307	0.204	0.245	0.397	0.414	0.321	0.328	0.401	0.199	0.287
Load Factor (Max) %	20.5%	17.8%	18.4%	16.7%	20.0%	23.2%	29.1%	31.3%	27.7%	20.2%	17.5%	20.2%
Load Factor (NCP) %	54.5%	42.7%	57.1%	47.8%	48.8%	46.7%	56.8%	58.6%	53.8%	45.0%	55.9%	54.2%
Load Factor (CP) %	55.1%	51.0%	59.9%	81.7%	81.5%	58.6%	70.4%	97.7%	84.6%	50.3%	87.9%	70.5%
CUSTOMER AVERAGES												
Energy Use (kWh)	1,036	944	862	810	1,017	1,390	1,771	1,934	1,580	1,058	797	1,100
Ind. Max Demand (kW)	6.92	7.25	6.43	6.66	6.98	8.20	8.34	8.45	7.81	7.18	6.25	7.45
Coincident Demand (kW)	2.58	2.54	1.97	1.36	1.71	3.25	3.45	2.71	2.56	2.88	1.24	2.14
TOU Periods - All Months: On-Peak 12 pm - 7 pm, M-F Off-Peak 7 pm - 12 pm, M-F & All Weekends												

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
2.8	3.1	3.1
2.2	2.2	2.2
2.7	3.1	3.1
Summation Ind Max by Season		
2.8	3.1	3.1
2.2	2.2	2.2
2.7	3.1	3.1
Class Peak by Season		
1.2	0.8	1.2
1.5	1.2	1.5
Coincident Peak by Season		
1.1	0.9	1.1
Energy Summation by Season		
558	251	790
19.6%	16.5%	18.5%
2,209	1,274	3,482
80.4%	83.5%	81.5%
2,747	1,525	4,272
Customer Averages by Season		
311	273	292
Seasonal Factors		
0.382	0.287	0.392
22.3%	11.1%	15.6%
41.8%	29.8%	32.5%
57.0%	38.7%	44.3%
Seasonal Averages		
1,458	925	1,191
7.82	6.82	7.32
2.76	1.97	2.36



Load Research Cost of Service Data
Test Year Ended December 31, 2011

General Service E-20

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)											
Non-Timed	15.0	14.9	15.0	19.9	22.1	27.2	30.2	28.6	27.1	23.1	14.4
On-Peak	9.7	11.1	12.5	16.3	16.2	20.9	23.8	23.2	21.9	16.1	11.7
Off-Peak	14.9	14.6	14.3	19.4	21.5	26.7	29.6	28.1	26.6	22.9	13.5
CLASS PEAK (MW)											
On-Peak	5.3	6.9	6.4	8.9	6.5	9.5	12.0	12.2	12.2	8.5	6.5
Off-Peak	11.6	10.6	9.4	14.7	11.6	20.6	23.8	23.2	22.4	18.8	9.9
COINCIDENT (MW)											
System	3.3	3.9	4.7	4.1	3.5	9.1	8.1	8.3	6.4	5.0	4.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)											
On-Peak	640	637	822	939	986	1433	1687	2045	1739	1247	962
%	26.4%	28.5%	34.3%	34.4%	30.0%	35.7%	32.3%	37.2%	36.3%	31.4%	32.9%
Off-Peak	1779	1594	1572	1787	2299	2583	3533	3453	3055	2720	1959
%	73.6%	71.5%	65.7%	65.6%	70.0%	64.3%	67.7%	62.8%	63.7%	68.6%	67.1%
Total	2,419	2,231	2,394	2,726	3,285	4,016	5,220	5,498	4,794	3,967	2,921
CUSTOMERS											
Monthly Count	342	360	411	411	415	416	420	405	418	421	419
FACTORS											
Coincident Factor (CP)	0.220	0.263	0.314	0.206	0.159	0.334	0.268	0.291	0.236	0.216	0.285
Load Factor (Max) %	22.1%	20.6%	21.9%	18.8%	20.4%	20.2%	23.7%	26.4%	24.2%	23.5%	27.8%
Load Factor (NCP) %	28.5%	29.0%	35.0%	25.3%	38.7%	26.7%	30.0%	32.4%	29.3%	28.9%	40.4%
Load Factor (CP) %	100.4%	78.4%	69.8%	91.1%	128.6%	60.5%	88.3%	90.7%	102.6%	108.7%	97.6%
CUSTOMER AVERAGES											
Energy Use (kWh)	7,073	6,197	5,825	6,633	7,916	9,654	12,429	13,575	11,489	9,423	6,971
Ind. Max Demand (kW)	43.81	41.25	36.42	48.39	53.15	65.42	71.98	70.53	64.81	54.86	34.37
Coincident Demand (kW)	9.65	10.83	11.44	9.98	8.43	21.88	19.29	20.49	15.31	11.88	9.79
TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends											

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
30.2	19.9	30.2
23.8	16.3	23.8
29.6	19.4	29.6
Summation Ind Max by Season		
12.2	8.9	12.2
23.8	14.7	23.8
Class Peak by Season		
9.1	4.7	9.1
Coincident Peak by Season		
9.136	4.860	13.997
34.1%	31.0%	33.0%
17,644	10,812	28,455
65.9%	69.0%	67.0%
26,780	15,672	42,452
Energy Summation by Season		
416	394	405
Customer Averages by Season		
0.301	0.236	0.301
20.2%	18.0%	16.0%
25.6%	24.3%	20.3%
75.5%	111.8%	59.8%
Seasonal Factors		
10,744	6,636	8,690
63.46	40.54	52.00
16.21	9.89	13.05
Seasonal Averages		

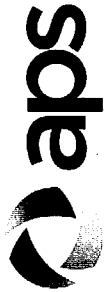


Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-221 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)											
Non-Timed	144.7	147.9	146.4	161.6	174.0	170.6	163.6	157.5	150.2	148.7	133.6
On-Peak	124.4	127.9	129.1	137.8	138.0	147.3	143.4	137.3	129.0	133.3	117.7
Off-Peak	138.6	144.1	142.2	158.6	172.6	169.1	182.0	154.0	148.7	147.9	131.2
											110.6
CLASS PEAK (MW)											
On-Peak	48.0	54.7	56.6	67.3	73.8	85.0	82.7	76.8	69.7	64.9	56.9
Off-Peak	58.8	58.3	66.8	76.1	91.6	102.1	99.0	89.1	82.9	77.1	64.3
											49.6
COINCIDENT (MW)											
System	25.4	27.8	34.3	34.7	50.5	91.5	37.5	29.1	25.5	27.6	33.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900
											7th@0800
ENERGY (MWH)											
On-Peak	4,895	6,427	5,490	6,106	8,858	11,294	8,948	10,133	7,720	8,592	8,007
%	28.5%	29.3%	28.4%	25.1%	28.3%	30.1%	23.4%	25.9%	26.2%	27.7%	30.2%
Off-Peak	11,804	15,513	13,869	18,251	22,408	26,255	29,277	29,063	21,747	22,458	18,540
%	71.5%	70.7%	71.6%	74.9%	71.7%	69.9%	76.6%	74.1%	73.8%	72.3%	69.8%
											71.3%
Total	16,499	21,940	19,359	24,357	31,266	37,549	38,225	39,196	29,467	31,050	26,547
											23,162
CUSTOMERS											
Monthly Count	1,484	1,471	1,466	1,457	1,493	1,493	1,491	1,480	1,489	1,496	1,489
											1,507
FACTORS											
Coincident Factor (CP)	0.178	0.186	0.234	0.215	0.290	0.536	0.229	0.185	0.170	0.186	0.248
											0.230
Load Factor (Max) %	15.6%	20.3%	18.1%	20.6%	24.6%	30.1%	32.0%	34.1%	26.9%	28.6%	27.2%
											28.0%
Load Factor (NCP) %	38.4%	51.5%	39.7%	43.9%	46.8%	50.4%	52.9%	60.3%	48.7%	55.2%	56.6%
											64.0%
Load Factor (CP) %	89.0%	108.1%	77.3%	96.2%	84.8%	56.2%	139.6%	184.5%	158.3%	154.1%	109.9%
											121.6%
CUSTOMER AVERAGES											
Energy Use (kWh)	11,118	14,915	13,205	16,717	20,942	25,150	25,637	28,484	19,790	20,755	17,829
											15,370
Ind. Max Demand (kW)	97.50	100.56	99.84	110.93	116.56	114.29	109.71	106.42	100.90	99.42	89.71
											75.26
Coincident Demand (kW)	17.12	18.90	23.40	23.82	33.82	61.29	25.15	19.66	17.13	18.45	22.23
											17.32
SUMMER											
(May-Oct)											
WINTER											
(Nov-Apr)											
ANNUAL											
Summation Ind Max by Season	174.0										
											174.0
On-Peak	147.3										
											147.3
Off-Peak	172.6										
											172.6
Class Peak by Season											
On-Peak	85.0										
											85.0
Off-Peak	102.1										
											102.1
Coincident Peak by Season											
On-Peak	91.5										
											91.5
Energy Summation by Season											
On-Peak	55,546										
											92,009
%	26.9%										27.4%
Off-Peak	151,207										
											245,703
%	73.1%										72.6%
Total	206,753										
											338,617
Customer Averages by Season											
Monthly Count	1,480										
											1,485
Seasonal Factors											
Coincident Factor (CP)	0.526										
											0.526
Load Factor (Max) %	27.1%										
											22.2%
Load Factor (NCP) %	46.2%										
											37.9%
Load Factor (CP) %	125.9%										
											103.1%
Seasonal Averages											
Energy Use (kWh)	23,126										
											18,993
Ind. Max Demand (kW)	107.88										
											101.76
Coincident Demand (kW)	29.25										
											24.86

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32 ***
0-20 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	758.9	763.1	721.9	687.8	654.1	815.4	792.0	807.0	832.7	740.9	688.2	887.3
On-Peak	638.4	658.2	665.6	636.9	597.9	700.6	719.4	760.4	775.9	690.3	617.6	732.1
Off-Peak	731.0	728.5	629.6	628.3	589.2	712.1	739.3	745.4	733.5	680.5	627.3	837.2

CLASS PEAK (MW)

On-Peak	355.2	394.7	348.2	352.4	334.8	397.1	448.2	488.8	478.3	414.1	309.8	358.9
Off-Peak	393.8	448.5	314.2	305.8	297.1	415.4	401.7	440.6	420.3	364.2	291.4	430.3

COINCIDENT (MW)

System	223.0	239.7	198.3	248.6	230.3	361.2	243.0	342.5	283.4	195.6	188.2	230.2
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	37,181	35,894	41,730	42,694	42,746	43,775	46,776	59,014	44,649	40,936	36,984	41,654
%	31.7%	33.0%	38.3%	38.1%	37.5%	34.7%	37.6%	41.3%	41.1%	37.7%	36.6%	33.2%
Off-Peak	79,991	72,949	67,188	69,399	71,110	82,493	77,552	83,957	63,992	67,748	64,097	83,771
%	68.3%	67.0%	61.7%	61.9%	62.5%	65.3%	62.4%	58.7%	58.9%	62.3%	63.4%	66.8%
Total	117,172	108,843	108,918	112,093	113,856	126,268	124,328	142,971	108,641	108,684	101,081	125,425

CUSTOMERS

Monthly Count	100,292	100,349	100,838	100,133	99,630	98,288	95,915	96,065	95,835	97,616	100,026	101,959
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.294	0.314	0.275	0.361	0.352	0.443	0.307	0.424	0.340	0.264	0.273	0.259
Load Factor (Max) %	21.2%	19.5%	20.7%	22.3%	23.8%	21.2%	21.5%	24.3%	17.9%	20.1%	20.1%	19.4%
Load Factor (NCP) %	40.8%	33.2%	42.9%	43.6%	46.6%	41.6%	38.0%	40.1%	31.1%	36.0%	44.7%	39.9%
Load Factor (CP) %	72.0%	62.2%	75.2%	61.8%	67.7%	47.9%	70.1%	57.2%	52.5%	76.1%	73.6%	74.6%

CUSTOMER AVERAGES

Energy Use (kWh)	1,168	1,085	1,080	1,119	1,143	1,285	1,286	1,488	1,134	1,113	1,011	1,230
Ind. Max Demand (kW)	7.57	7.60	7.16	6.87	6.57	8.30	8.26	8.40	8.69	7.59	6.88	8.70
Coincident Demand (kW)	2.22	2.39	1.97	2.48	2.31	3.67	2.53	3.57	2.96	2.00	1.88	2.26

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 am - 9 pm, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

832.7	887.3	887.3
775.9	732.1	775.9
745.4	837.2	837.2

Class Peak by Season

488.8	394.7	488.8
440.6	448.5	448.5

Coincident Peak by Season

361.2	248.6	361.2
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Energy Summation by Season

277,897	236,138	514,035
38.3%	35.1%	36.8%
446,851	437,394	884,245
61.7%	64.9%	63.2%
724,748	673,532	1,398,280

Customer Averages by Season

97,225	100,600	98,912
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Seasonal Factors

0.434	0.280	0.434
19.9%	17.3%	18.0%
33.9%	34.3%	32.7%
68.1%	66.8%	65.7%

Seasonal Averages

1,243	1,116	1,179
7.97	7.46	7.72
2.84	2.20	2.52



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** General Service E-32 ***
20- 100 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)												
Non-Timed	524.7	543.5	538.4	592.6	648.4	864.6	925.0	989.0	932.6	724.9	536.2	492.7
On-Peak	488.5	493.3	516.7	571.4	599.4	693.5	890.9	946.0	900.2	696.6	508.4	441.8
Off-Peak	506.8	529.2	484.6	541.9	595.3	828.5	877.3	923.4	861.2	678.1	488.8	472.9

CLASS PEAK (MW)												
On-Peak	316.8	347.8	362.0	381.8	411.0	510.6	663.8	702.6	697.3	517.1	369.2	290.0
Off-Peak	333.5	369.6	317.8	352.4	387.5	528.2	622.2	648.7	640.5	472.7	322.0	299.4

COINCIDENT (MW)												
System	253.2	272.5	240.7	287.3	313.3	477.1	427.2	525.4	499.5	313.3	241.3	222.5
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)												
On-Peak	60,292	57,869	64,411	70,975	72,359	79,772	102,343	124,346	95,239	80,151	65,302	64,600
%	32.3%	33.8%	37.9%	36.7%	36.7%	32.6%	35.7%	39.0%	38.9%	36.1%	36.5%	33.5%
Off-Peak	126,643	113,312	105,667	122,533	130,493	164,718	184,649	194,436	149,691	141,737	113,528	128,489
%	67.7%	66.2%	62.1%	63.3%	64.3%	67.4%	64.3%	61.0%	61.1%	63.9%	63.5%	66.5%
Total	186,935	171,181	170,098	193,508	202,852	244,490	286,992	318,782	244,930	221,888	178,830	193,089

CUSTOMERS												
Monthly Count	15,911	16,113	15,806	16,374	17,091	18,596	20,916	21,033	21,344	19,634	17,367	15,652

FACTORS												
Coincident Factor (CP)	0.483	0.501	0.447	0.485	0.483	0.552	0.462	0.531	0.536	0.432	0.450	0.452
Load Factor (Max) %	48.8%	43.1%	43.3%	44.7%	42.9%	38.7%	42.5%	44.2%	36.0%	41.9%	45.7%	53.7%
Load Factor (NCP) %	76.8%	63.4%	64.4%	69.4%	67.6%	63.4%	59.2%	62.1%	48.1%	58.8%	66.4%	88.3%
Load Factor (CP) %	101.1%	86.1%	96.8%	92.3%	88.7%	70.2%	92.0%	83.1%	67.2%	97.0%	101.5%	118.9%

CUSTOMER AVERAGES												
Energy Use (kWh)	11,749	10,624	10,762	11,818	11,869	13,147	13,721	15,156	11,475	11,301	10,297	12,336
Ind. Max Demand (kW)	32.98	33.73	34.07	36.19	37.94	46.49	44.22	47.02	43.70	36.92	30.88	31.48
Coincident Demand (kW)	15.91	16.91	15.23	17.55	18.33	25.66	20.42	24.98	23.40	15.96	13.89	14.22

TOU Periods - All Months:			On-Peak			Off-Peak		
			9 am - 9 pm, M-F			9 am - 9 pm, M-F & All Weekends		

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season		
989.0	592.6	989.0
946.0	571.4	946.0
923.4	541.9	923.4

Class Peak by Season		
702.6	381.8	702.6
648.7	369.6	648.7

Coincident Peak by Season		
525.4	287.3	525.4

Energy Summation by Season		
554,210	383,448	937,659
36.5%	35.1%	35.9%
965,724	710,193	1,675,916
63.5%	64.9%	64.1%
1,519,934	1,093,641	2,613,575

Customer Averages by Season		
19,769	16,204	17,986

Seasonal Factors		
0.531	0.485	0.531
35.1%	42.1%	30.2%
49.4%	65.4%	42.5%
81.2%	112.2%	69.8%

Seasonal Averages		
12,778	11,264	12,021
42.71	33.22	37.97
21.46	15.62	18.54

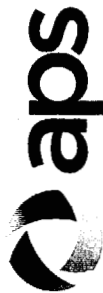


Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32 ***
101 - 400 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	806.8	844.9	801.2	789.6	831.0	936.6	902.9	1,126.2	973.7	874.0	742.0	775.9
On-Peak	714.2	765.8	774.3	770.9	794.2	794.4	879.2	1,085.3	957.9	840.2	716.4	698.0
Off-Peak	790.4	828.9	746.9	748.2	787.8	894.5	871.3	1,081.9	924.4	842.3	693.9	760.2
CLASS PEAK (MW)												
On-Peak	551.9	602.8	609.9	634.7	619.2	608.3	720.1	921.8	816.2	691.8	561.1	531.3
Off-Peak	605.9	664.6	558.5	607.8	576.2	637.7	677.4	863.2	764.0	664.3	517.2	588.7
COINCIDENT (MW)												
System	474.0	504.8	426.2	497.9	472.2	573.8	483.8	435.5	619.6	402.5	390.1	453.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	79,732	80,735	91,701	99,885	101,672	100,094	113,095	142,253	110,413	98,370	87,184	88,648
%	32.9%	34.2%	37.9%	37.1%	36.6%	32.6%	34.8%	38.7%	39.0%	35.8%	36.5%	33.3%
Off-Peak	162,775	155,292	150,166	169,334	176,325	207,039	212,227	225,562	172,795	176,079	151,754	177,243
%	67.1%	65.8%	62.1%	62.9%	63.4%	67.4%	65.2%	61.3%	61.0%	64.2%	63.5%	66.7%
Total	242,507	236,027	241,867	269,219	277,997	307,133	325,322	367,815	283,208	274,449	238,938	265,891
CUSTOMERS												
Monthly Count	4,522	4,529	4,518	4,473	4,495	4,465	4,488	4,490	4,480	4,476	4,461	4,465
FACTORS												
Coincident Factor (CP)	0.587	0.597	0.532	0.631	0.588	0.613	0.536	0.387	0.636	0.461	0.526	0.564
Load Factor (Max) %	41.2%	38.3%	41.4%	46.7%	45.8%	44.9%	49.4%	44.7%	39.8%	43.0%	44.1%	46.9%
Load Factor (NCP) %	54.8%	48.6%	54.3%	58.1%	61.5%	66.0%	61.9%	54.7%	47.5%	54.3%	58.3%	61.9%
Load Factor (CP) %	70.1%	64.1%	77.7%	74.1%	80.6%	73.3%	92.1%	115.7%	62.6%	93.4%	83.9%	80.4%
CUSTOMER AVERAGES												
Energy Use (kWh)	53,628	52,115	53,534	60,188	61,846	68,787	72,487	81,919	63,216	61,316	53,562	59,550
Ind. Max Demand (kW)	178.42	186.54	177.33	176.52	184.87	209.76	201.18	250.83	217.34	195.26	166.33	173.77
Coincident Demand (kW)	104.82	111.46	94.33	111.31	105.05	128.51	107.80	96.99	138.30	89.92	87.45	101.48
Seasonal Averages												
Energy Use (kWh)	68,262	55,429	55,429	61,316	63,216	61,316	63,216	61,316	63,216	61,316	63,216	61,316
Ind. Max Demand (kW)	209.87	176.48	176.48	195.26	166.33	173.77	166.33	173.77	166.33	173.77	166.33	173.77
Coincident Demand (kW)	111.10	101.81	101.81	89.92	87.45	101.48	87.45	101.48	87.45	101.48	87.45	101.48
Seasonal Factors												
Energy Use (kWh)	0.550	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597
Ind. Max Demand (kW)	37.2%	40.4%	40.4%	43.0%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%
Load Factor (NCP) %	45.5%	51.3%	51.3%	54.3%	58.3%	61.9%	54.3%	58.3%	54.3%	58.3%	54.3%	61.9%
Load Factor (CP) %	86.6%	75.3%	75.3%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%
Customer Averages by Season												
Monthly Count	4,482	4,495	4,495	4,482	4,482	4,482	4,482	4,482	4,482	4,482	4,482	4,482
Energy Summation by Season												
On-Peak	665,897	527,886	527,886	1,193,783	1,193,783	1,193,783	1,193,783	1,193,783	1,193,783	1,193,783	1,193,783	1,193,783
%	36.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%	35.3%
Off-Peak	1,170,027	966,563	966,563	2,136,590	2,136,590	2,136,590	2,136,590	2,136,590	2,136,590	2,136,590	2,136,590	2,136,590
%	63.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%	64.7%
Total	1,835,924	1,494,449	1,494,449	3,330,373	3,330,373	3,330,373	3,330,373	3,330,373	3,330,373	3,330,373	3,330,373	3,330,373
Customer Averages by Season												
Monthly Count	4,482	4,495	4,495	4,482	4,482	4,482	4,482	4,482	4,482	4,482	4,482	4,482
Seasonal Factors												
Energy Use (kWh)	0.550	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597
Ind. Max Demand (kW)	37.2%	40.4%	40.4%	43.0%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%
Load Factor (NCP) %	45.5%	51.3%	51.3%	54.3%	58.3%	61.9%	54.3%	58.3%	54.3%	58.3%	54.3%	61.9%
Load Factor (CP) %	86.6%	75.3%	75.3%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%
Seasonal Averages												
Energy Use (kWh)	68,262	55,429	55,429	61,316	63,216	61,316	63,216	61,316	63,216	61,316	63,216	61,316
Ind. Max Demand (kW)	209.87	176.48	176.48	195.26	166.33	173.77	166.33	173.77	166.33	173.77	166.33	173.77
Coincident Demand (kW)	111.10	101.81	101.81	89.92	87.45	101.48	87.45	101.48	87.45	101.48	87.45	101.48
Seasonal Factors												
Energy Use (kWh)	0.550	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597	0.597
Ind. Max Demand (kW)	37.2%	40.4%	40.4%	43.0%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%	44.1%	46.9%
Load Factor (NCP) %	45.5%	51.3%	51.3%	54.3%	58.3%	61.9%	54.3%	58.3%	54.3%	58.3%	54.3%	61.9%
Load Factor (CP) %	86.6%	75.3%	75.3%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%	80.4%	83.9%

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** General Service E-32 ***
401-999 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	464.3	454.1	468.4	484.6	493.0	452.0	634.6	550.7	523.4	496.9	447.9	453.3
On-Peak	428.6	427.0	451.2	473.8	453.5	471.0	624.2	542.0	514.8	486.5	433.3	430.7
Off-Peak	453.3	444.1	443.3	466.1	483.6	531.0	527.2	537.3	509.2	483.6	430.8	442.7

CLASS PEAK (MW)

On-Peak Weighted	340.5	351.6	375.5	390.1	377.0	397.3	520.5	466.5	448.1	418.5	374.8	346.5
Off-Peak Weighted	350.0	366.1	360.6	373.7	382.1	423.9	426.4	451.2	436.5	409.2	357.3	352.1

COINCIDENT (MW)

System	303.0	318.9	282.2	317.2	305.0	371.2	310.6	386.4	374.3	273.7	294.0	301.3
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	57,206	57,237	63,935	66,710	64,109	67,588	70,397	85,026	64,487	62,806	61,576	66,971
%	32.4%	34.0%	36.5%	35.1%	32.4%	31.1%	33.0%	36.3%	36.2%	33.9%	35.4%	33.2%
Off-Peak	119,179	110,976	111,079	123,513	133,511	149,842	142,945	149,170	113,785	122,516	112,439	134,603
%	67.6%	66.0%	63.5%	64.9%	67.6%	68.9%	67.0%	63.7%	63.8%	66.1%	64.6%	66.8%
Total	176,385	168,213	175,014	190,223	197,620	217,430	213,342	234,196	178,272	185,322	174,015	201,574

CUSTOMERS

Monthly Count	907	888	888	886	891	880	871	849	842	865	893	912
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FACTORS
All load factors are calculated based on 730 hours per month.

Coincident Factor (CP)	0.653	0.702	0.603	0.655	0.619	0.821	0.489	0.702	0.715	0.551	0.656	0.665
Load Factor (Max) %	52.0%	50.7%	51.2%	53.8%	54.9%	65.9%	46.0%	58.3%	46.7%	51.1%	53.2%	60.9%
Load Factor (NCP) %	69.0%	62.9%	63.8%	66.8%	70.8%	70.3%	56.2%	68.8%	54.5%	60.7%	63.6%	78.4%
Load Factor (CP) %	79.7%	72.3%	85.0%	82.1%	88.8%	80.2%	94.1%	83.0%	65.2%	92.8%	81.1%	91.5%

CUSTOMER AVERAGES

Energy Use (kWh)	194,471	189,429	194,893	214,699	221,796	247,080	275,849	211,724	214,245	194,866	221,024	
Ind. Max Demand (kW)	511.90	511.35	521.55	546.91	553.31	513.59	728.63	648.63	621.62	574.45	501.54	497.09
Coincident Demand (kW)	334.07	359.12	314.25	358.01	342.31	421.82	356.60	455.12	444.54	316.42	329.23	330.37

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 am - 9 pm, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

634.6	484.6	634.6
624.2	473.8	624.2
537.3	466.1	537.3

Class Peak by Season

520.5	390.1	520.5
451.2	373.7	451.2

Coincident Peak by Season

386.4	318.9	386.4
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Energy Summation by Season

414,414	373,636	788,050
33.8%	34.4%	34.1%
811,768	711,788	1,523,556
66.2%	65.6%	65.9%
1,226,182	1,085,424	2,311,606

Customer Averages by Season

866	897	882
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Seasonal Factors

0.609	0.658	0.609
44.1%	51.1%	41.6%
53.8%	63.5%	60.7%
90.1%	82.2%	85.0%

Seasonal Averages

235,939	201,564	218,751
606.71	515.06	560.88
389.47	337.51	363.49



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32 ***
1001+ kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	158.5	162.7	169.3	184.8	188.1	221.1	267.4	271.3	268.9	221.1	191.5	151.9
On-Peak	149.4	156.1	166.7	179.6	189.5	197.0	266.1	266.5	265.6	216.7	163.1	145.2
Off-Peak	154.5	159.7	162.0	179.6	185.1	219.4	261.4	263.8	262.0	215.6	185.8	148.7

CLASS PEAK (MW)

On-Peak Weighted	126.8	130.7	146.1	155.7	144.5	167.9	217.6	234.5	233.3	191.3	142.0	123.1
Off-Peak Weighted	125.3	132.8	138.8	150.7	153.0	186.7	213.3	230.5	212.7	187.7	137.2	122.8

COINCIDENT (MW)

System	122.8	131.5	123.1	141.8	122.8	141.8	176.9	220.9	221.4	145.8	127.5	120.9
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	29,455	26,397	40,676	32,687	28,909	33,954	41,236	56,111	38,678	33,911	30,064	30,752
%	32.0%	33.3%	36.5%	33.9%	29.9%	29.7%	32.1%	35.1%	35.2%	32.8%	34.5%	32.7%
Off-Peak	62,710	52,862	73,907	63,630	67,843	80,292	87,084	103,855	71,333	69,574	57,097	63,186
%	68.0%	66.7%	64.5%	66.1%	70.1%	70.3%	67.9%	64.9%	64.8%	67.2%	65.5%	67.3%
Total	92,165	79,259	114,583	96,317	96,752	114,146	128,330	159,766	110,011	103,485	87,161	93,938

CUSTOMERS

Monthly Count	138	139	142	147	144	158	177	185	190	167	142	135
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.775	0.808	0.727	0.767	0.653	0.641	0.662	0.814	0.823	0.859	0.666	0.796
Load Factor (Max) %	79.7%	66.7%	92.7%	71.4%	70.5%	70.7%	65.7%	80.7%	56.0%	64.1%	62.4%	84.7%
Load Factor (NCP) %	99.5%	81.7%	107.4%	84.7%	86.6%	83.8%	80.8%	93.3%	64.6%	74.1%	84.1%	104.6%
Load Factor (CP) %	102.8%	82.8%	127.5%	93.0%	107.9%	110.3%	99.4%	99.1%	68.1%	97.2%	93.6%	106.4%

CUSTOMER AVERAGES

Energy Use (kWh)	667,862	570,209	806,923	855,218	671,889	722,443	725,028	863,600	579,005	619,671	613,810	695,837
Ind. Max Demand (kW)	1,148.33	1,170.39	1,192.23	1,257.33	1,306.31	1,399.35	1,510.79	1,466.42	1,415.23	1,324.03	1,348.45	1,124.91
Coincident Demand (kW)	889.86	946.04	866.90	984.63	852.78	897.47	999.44	1,194.05	1,165.26	873.05	897.89	895.56

TOU Periods - All Months: On-Peak 9 am - 9 pm, M-F Off-Peak 9 am - 9 pm, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

271.3	191.5	271.3
266.5	179.6	266.5
263.8	185.8	263.8

Class Peak by Season

234.5	155.7	234.5
230.5	150.7	230.5

Coincident Peak by Season

221.4	141.8	221.4
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Energy Summation by Season

232,689	190,031	422,730
32.7%	33.7%	33.1%
479,791	373,392	853,183
67.3%	66.3%	66.9%
712,490	563,423	1,275,913

Customer Averages by Season

170	141	155
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Seasonal Factors

0.816	0.741	0.816
60.0%	67.2%	53.7%
69.4%	82.8%	62.1%
92.0%	106.4%	82.3%

Seasonal Averages

696,939	668,310	682,625
1,403.69	1,206.94	1,305.37
997.01	910.14	953.58



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** Total General Service E-30, E-32 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	2,713.2	2,768.1	2,689.2	2,739.4	2,814.5	3,289.6	3,521.9	3,744.2	3,531.3	3,057.8	2,605.8	2,761.1
On-Peak	2,399.0	2,500.3	2,574.5	2,632.6	2,614.5	2,856.5	3,369.7	3,600.1	3,414.5	2,929.3	2,436.7	2,447.7
Off-Peak	2,636.0	2,688.5	2,468.4	2,564.1	2,641.1	3,185.6	3,276.5	3,551.8	3,290.4	2,901.1	2,426.5	2,661.8
CLASS PEAK (MW)												
On-Peak	1,775.5	1,949.0	1,839.1	1,873.0	1,854.5	2,185.0	2,255.8	2,791.3	2,645.8	2,228.4	1,749.7	1,753.9
Off-Peak	1,780.7	1,964.4	1,589.4	1,511.3	1,608.2	2,151.7	1,868.2	2,298.2	2,156.7	1,863.3	1,462.7	1,736.6
COINCIDENT (MW)												
System	1,376.0	1,467.4	1,270.5	1,492.8	1,443.6	1,925.1	1,641.5	1,910.7	1,998.2	1,330.9	1,241.1	1,328.0
Time	5h@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1600	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	263,867	258,132	302,452	312,952	309,796	325,084	373,848	466,750	353,466	316,174	281,110	292,626
%	32.4%	33.8%	37.3%	36.3%	34.8%	32.2%	34.7%	38.1%	38.2%	35.4%	36.0%	33.3%
Off-Peak	551,297	505,391	508,028	548,408	579,281	684,383	704,466	756,780	571,596	577,554	498,915	587,291
%	67.6%	66.2%	62.7%	63.7%	65.2%	67.8%	65.3%	61.9%	61.8%	64.6%	64.0%	66.7%
Total	815,164	763,523	810,480	861,360	889,077	1,009,467	1,078,314	1,223,530	925,062	893,828	780,025	879,917
CUSTOMERS												
Monthly Count	121,770	122,018	122,202	122,013	122,251	122,387	122,367	122,622	122,691	122,758	122,889	123,123
FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.507	0.530	0.471	0.545	0.513	0.585	0.466	0.510	0.566	0.435	0.476	0.481
Load Factor (Max) %	41.2%	37.8%	41.1%	43.1%	43.3%	42.0%	41.9%	44.8%	35.9%	40.0%	41.0%	43.7%
Load Factor (NCP) %	62.7%	53.2%	60.4%	63.0%	65.7%	63.3%	65.5%	60.0%	47.9%	54.9%	61.1%	68.7%
Load Factor (CP) %	81.2%	71.3%	87.4%	79.0%	84.4%	71.8%	90.0%	87.7%	63.4%	92.0%	86.1%	90.8%
CUSTOMER AVERAGES												
Energy Use (kWh)	6,694	6,257	6,632	7,060	7,273	8,248	8,812	9,978	7,540	7,281	6,347	7,147
Ind. Max Demand (kW)	22.28	22.89	22.09	22.45	23.02	26.88	28.78	30.53	28.78	24.91	21.20	22.43
Coincident Demand (kW)	11.30	12.03	10.40	12.23	11.81	15.73	13.41	15.58	16.29	10.84	10.10	10.79

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32TOU***
0 - 20 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)												
Non-Timed	0.8	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	0.9	0.9	0.9

On-Peak	0.7	0.8	0.9	0.8	0.8	0.9	1.0	0.9	1.0	0.8	0.8	0.8
Off-Peak	0.8	1.0	1.0	1.0	1.0	1.2	1.1	1.0	1.0	0.9	0.8	0.9

CLASS PEAK (MW)												
On-Peak	0.5	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
Off-Peak	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6

COINCIDENT (MW)												
System	0.3	0.4	0.6	0.6	0.3	0.3	0.4	0.4	0.3	0.2	0.5	0.3
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)												
On-Peak	80	81	97	87	87	108	98	101	84	70	85	93
%	23.8%	24.6%	27.3%	26.3%	27.4%	29.3%	26.7%	28.7%	27.8%	25.3%	26.4%	24.3%
Off-Peak	257	246	258	243	230	260	268	249	220	205	237	291
%	76.2%	75.4%	72.7%	73.7%	72.6%	70.7%	73.3%	71.3%	72.2%	74.7%	73.6%	75.7%
Total	337	327	355	330	317	368	366	350	304	275	322	384

CUSTOMERS												
Monthly Count	153	156	156	149	141	147	143	137	143	134	148	158

FACTORS												
Coincident Factor (CP)	0.363	0.401	0.592	0.302	0.299	0.496	0.356	0.398	0.288	0.225	0.567	0.335
Load Factor (Max) %	55.8%	44.9%	47.9%	45.6%	43.2%	41.7%	44.6%	47.7%	40.0%	42.3%	50.0%	58.8%
Load Factor (NCP) %	82.6%	63.8%	68.4%	63.8%	65.4%	65.4%	67.0%	66.2%	57.4%	61.4%	73.1%	81.5%
Load Factor (CP) %	153.9%	112.0%	81.1%	150.7%	144.7%	84.0%	125.3%	119.9%	138.8%	188.4%	88.2%	175.3%

CUSTOMER AVERAGES												
Energy Use (kWh)	2,203	2,096	2,276	2,215	2,248	2,503	2,559	2,555	2,126	2,052	2,176	2,430
Ind. Max Demand (kW)	5.40	6.39	6.50	6.66	7.13	8.22	7.86	7.34	7.28	6.65	5.96	5.67
Coincident Demand (kW)	1.96	2.56	3.65	2.01	2.13	4.08	2.80	2.92	2.10	1.49	3.38	1.90

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
1.2	1.0	1.2

1.0	0.9	1.0
1.2	1.0	1.2

Class Peak by Season		
0.7	0.7	0.7
0.8	0.7	0.8

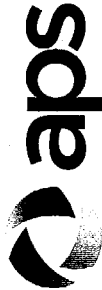
Coincident Peak by Season		
0.6	0.6	0.6

Energy Summation by Season		
547	523	1,070
27.6%	25.5%	26.5%
1,433	1,532	2,965
72.4%	74.5%	73.5%
1,980	2,055	4,035

Customer Averages by Season		
141	153	147

Seasonal Factors		
0.496	0.592	0.496
37.4%	46.3%	38.1%
58.6%	66.0%	59.7%
113.0%	158.4%	115.2%

Seasonal Averages		
2,341	2,233	2,287
7.41	6.10	6.75
2.59	2.81	2.60



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32TOU***
20 - 100 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	7.4	6.8	6.5	7.0	7.8	8.7	9.3	9.3	9.7	7.6	6.3	6.3
On-Peak	6.2	6.3	6.0	6.3	7.2	7.4	8.3	8.4	8.7	7.1	5.9	5.8
Off-Peak	7.3	6.7	6.3	6.8	7.6	8.4	9.2	9.1	9.3	7.5	6.0	6.1

CLASS PEAK (MW)

On-Peak	4.6	4.6	4.1	4.3	4.4	5.3	5.7	5.8	6.1	5.1	4.5	4.2
Off-Peak	4.7	4.6	3.7	4.1	4.6	5.3	5.9	5.7	6.0	5.0	3.9	4.2

COINCIDENT (MW)

System	2.9	3.1	3.5	3.4	3.5	5.1	4.4	4.5	4.5	3.4	3.9	2.9
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	899	755	823	879	914	1,039	1,140	1,275	1,057	896	805	857
%	28.1%	29.8%	32.8%	31.7%	30.2%	31.2%	31.1%	34.2%	34.0%	31.1%	32.2%	29.9%
Off-Peak	2,296	1,780	1,689	1,897	2,114	2,294	2,523	2,447	2,057	1,989	1,696	2,010
%	71.9%	70.2%	67.2%	68.3%	69.8%	68.8%	68.9%	65.8%	66.0%	68.9%	67.8%	70.1%
Total	3,195	2,535	2,512	2,776	3,028	3,333	3,663	3,722	3,114	2,885	2,501	2,867

CUSTOMERS

Monthly Count	171	162	162	166	177	172	177	169	182	172	166	159
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.393	0.456	0.539	0.489	0.449	0.588	0.471	0.482	0.466	0.446	0.614	0.459
Load Factor (Max) %	59.4%	51.0%	53.0%	54.8%	53.2%	52.6%	53.7%	54.6%	44.2%	51.9%	54.0%	62.2%
Load Factor (NCP) %	92.2%	75.3%	84.4%	88.2%	91.0%	86.2%	85.5%	87.2%	69.9%	77.2%	76.3%	94.2%
Load Factor (CP) %	150.9%	112.0%	98.3%	111.8%	118.5%	89.5%	114.0%	113.3%	94.8%	116.2%	87.8%	135.4%

CUSTOMER AVERAGES

Energy Use (kWh)	18,684	15,648	15,506	16,723	17,107	19,378	20,695	22,024	17,110	16,773	15,066	18,031
Ind. Max Demand (kW)	43.12	42.00	40.09	41.92	44.02	50.45	52.74	55.29	53.08	44.29	38.24	39.73
Coincident Demand (kW)	16.96	19.14	21.60	20.48	19.77	29.65	24.86	26.63	24.73	19.77	23.49	18.24

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

9.7	7.4	9.7
8.7	6.3	8.7
9.3	7.3	9.3

Class Peak by Season

6.1	4.6	6.1
6.0	4.7	6.0

Coincident Peak by Season

5.1	3.9	5.1
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Energy Summation by Season

6,321	5,019	11,340
32.0%	30.6%	31.4%
13,424	11,367	24,791
68.0%	69.4%	68.6%
19,745	16,386	36,131

Customer Averages by Season

175	164	170
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Seasonal Factors

0.528	0.529	0.528
46.7%	50.7%	42.7%
73.9%	78.8%	67.6%
102.5%	129.0%	93.7%

Seasonal Averages

18,848	16,610	17,729
49.98	40.85	45.41
24.23	19.99	22.11



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** General Service E-32TOU***
101 - 400 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	12.0	11.9	11.8	11.2	12.2	13.2	13.9	14.0	13.3	11.9	10.9	10.9
On-Peak	10.9	11.0	11.3	10.5	11.0	12.2	13.2	13.6	13.0	11.6	10.1	9.8
Off-Peak	11.8	11.7	11.4	10.9	12.1	12.9	13.8	13.7	12.8	11.5	10.5	10.7

CLASS PEAK (MW)

On-Peak	8.3	8.3	8.5	8.3	9.3	10.7	11.0	11.2	10.7	9.3	8.1	7.8
Off-Peak	9.1	9.0	8.2	8.1	9.3	10.2	10.7	10.8	10.1	8.8	7.7	8.6

CONCIDENT (MW)

System	6.2	6.3	7.1	7.1	7.4	10.6	8.5	8.5	7.5	6.9	6.2	5.8
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	1,604	1,419	1,653	1,628	1,991	1,983	2,204	2,705	1,962	1,772	1,683	1,773
%	29.4%	30.9%	33.2%	31.6%	30.4%	32.0%	30.7%	33.9%	33.8%	31.1%	32.5%	30.7%
Off-Peak	3,845	3,172	3,318	3,527	4,567	4,207	4,968	5,275	3,846	3,928	3,503	4,007
%	70.6%	69.1%	66.8%	68.4%	69.6%	68.0%	69.3%	66.1%	66.2%	68.9%	67.5%	69.3%
Total	5,449	4,591	4,971	5,155	6,558	6,190	7,172	7,980	5,808	5,700	5,186	5,780

CUSTOMERS

Monthly Count	79	75	76	71	76	73	74	74	72	73	75	73
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.517	0.528	0.600	0.637	0.606	0.801	0.610	0.608	0.566	0.582	0.569	0.532
Load Factor (Max) %	62.3%	52.7%	57.5%	63.3%	73.5%	64.1%	70.5%	78.2%	60.0%	65.9%	65.2%	72.6%
Load Factor (NCP) %	82.4%	69.8%	79.9%	84.6%	96.2%	79.6%	89.4%	97.8%	74.5%	83.5%	87.7%	92.5%
Load Factor (CP) %	120.4%	99.8%	95.9%	99.5%	121.4%	80.0%	115.6%	128.6%	106.1%	113.2%	114.6%	136.5%

CUSTOMER AVERAGES

Energy Use (kWh)	68,975	61,213	65,408	72,606	86,289	84,795	96,919	107,838	80,667	78,082	69,147	79,178
Ind. Max Demand (kW)	151.69	159.07	155.74	157.05	160.75	181.27	188.35	188.95	184.12	162.43	145.28	149.33
Coincident Demand (kW)	76.48	84.00	93.42	100.00	97.37	145.21	114.86	114.86	104.17	94.52	82.67	79.45

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

14.0	12.0	14.0
13.6	11.3	13.6
13.8	11.8	13.8

Class Peak by Season

11.2	8.5	11.2
10.8	9.1	10.8

Coincident Peak by Season

10.6	7.1	10.6
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Energy Summation by Season

12,617	9,760	22,376
32.0%	31.3%	31.7%
26,791	21,372	48,164
68.0%	68.7%	68.3%
39,408	31,132	70,540

Customer Averages by Season

74	75	74
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Seasonal Factors

0.758	0.592	0.758
64.3%	59.3%	57.6%
80.5%	78.5%	72.1%
105.9%	122.5%	94.7%

Seasonal Averages

89,098	69,421	79,260
177.64	153.03	165.33
111.83	86.34	99.08



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32TOU***
401-999 kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	18.0	18.6	18.8	16.7	16.9	18.5	18.2	25.6	22.4	24.1	23.6	26.0
On-Peak	15.2	16.1	16.8	14.9	15.1	17.0	16.6	23.2	20.1	21.5	21.2	22.9
Off-Peak	17.7	18.5	18.1	16.4	16.8	18.2	17.8	22.0	22.0	23.7	23.2	25.7
CLASS PEAK (MW)												
On-Peak	12.7	13.7	14.7	12.7	12.4	13.9	14.2	18.4	18.1	19.1	19.5	19.2
Off-Peak	14.0	14.8	14.8	13.1	13.1	14.6	14.8	17.9	18.7	20.2	19.5	20.6
COINCIDENT (MW)												
System	10.4	9.2	9.4	10.2	10.5	14.6	8.8	12.3	11.8	8.6	12.5	9.3
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1800	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	853	2,051	3,058	3,081	2,658	3,351	2,979	2,397	2,865	3,111	3,184	3,292
%	29.7%	31.1%	33.2%	31.8%	30.4%	31.2%	30.0%	33.0%	32.8%	31.1%	33.1%	31.4%
Off-Peak	2,017	4,535	6,161	6,602	6,083	7,391	6,952	4,872	5,883	6,897	6,426	7,206
%	70.3%	68.9%	66.8%	68.2%	69.6%	68.8%	70.0%	67.0%	67.2%	68.9%	66.9%	68.6%
Total	2,870	6,586	9,219	9,683	8,741	10,742	9,931	7,269	8,748	10,008	9,610	10,498
CUSTOMERS												
Monthly Count	34	31	32	32	31	32	30	33	36	39	41	40
FACTORS												
Coincident Factor (CP)	0.578	0.494	0.500	0.610	0.621	0.791	0.482	0.481	0.527	0.357	0.529	0.358
Load Factor (Max) %	21.8%	48.4%	67.2%	79.3%	70.8%	79.7%	74.5%	38.9%	53.5%	56.9%	55.7%	55.3%
Load Factor (NCP) %	28.1%	61.0%	85.6%	101.0%	91.4%	100.6%	91.8%	54.3%	64.0%	68.0%	67.5%	69.7%
Load Factor (CP) %	37.8%	98.1%	134.3%	130.0%	114.0%	100.8%	154.6%	81.0%	101.6%	159.4%	105.3%	154.6%
CUSTOMER AVERAGES												
Energy Use (kWh)	84,412	212,452	288,094	302,594	281,968	335,688	331,033	220,273	243,000	256,815	234,390	262,450
Ind. Max Demand (kW)	529.50	600.88	587.67	522.94	545.37	576.91	608.30	775.20	622.53	617.49	576.64	650.02
Coincident Demand (kW)	305.88	296.77	293.75	318.75	338.71	456.25	293.33	372.73	327.78	220.51	304.88	232.50
Seasonal Averages												
Energy Use (kWh)	278,096	230,732	254,414	278,096	230,732	254,414	278,096	230,732	254,414	278,096	230,732	254,414
Ind. Max Demand (kW)	624.30	577.94	601.12	624.30	577.94	601.12	624.30	577.94	601.12	624.30	577.94	601.12
Coincident Demand (kW)	334.89	292.09	313.49	334.89	292.09	313.49	334.89	292.09	313.49	334.89	292.09	313.49

TOU Periods - All Months: On-Peak 11 am - 11 am, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-32TOU***
 1001 + kW

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	21.5	21.8	21.4	20.4	25.7	27.2	36.2	37.3	31.5	23.4	19.7	22.9
On-Peak	18.8	20.4	19.0	18.6	24.5	25.9	35.3	36.6	28.7	21.0	17.2	20.1
Off-Peak	21.2	21.5	21.2	20.1	25.5	27.0	35.7	36.8	31.1	22.9	19.2	22.8

CLASS PEAK (MW)

On-Peak	15.5	16.7	16.7	15.9	21.0	22.5	30.2	32.9	25.2	19.4	14.7	18.2
Off-Peak	16.7	17.3	16.8	16.2	21.3	22.8	30.2	32.2	26.1	19.8	15.9	18.5

COINCIDENT (MW)

System	14.3	14.8	14.7	14.6	17.1	19.6	22.9	28.5	24.4	15.9	14.3	16.3
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	24th@1600	1st@1700	2nd@1700	1st@1900	7th@0800	

ENERGY (MWH)

On-Peak	3,466	3,602	3,471	3,871	4,607	5,242	5,270	7,397	4,540	3,734	3,450	4,417
%	29.1%	31.1%	32.1%	30.8%	30.8%	31.4%	29.6%	32.4%	30.7%	28.5%	30.9%	31.3%
Off-Peak	8,447	7,974	7,342	8,690	10,366	11,462	12,542	15,422	10,229	9,375	7,708	9,694
%	70.9%	68.9%	67.9%	69.2%	69.2%	68.6%	70.4%	67.6%	69.3%	71.5%	69.1%	68.7%
Total	11,913	11,576	10,813	12,561	14,973	16,704	17,812	22,819	14,769	13,109	11,158	14,111

CUSTOMERS

Monthly Count	15	16	15	14	18	16	19	21	19	17	15	18
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.666	0.680	0.687	0.716	0.665	0.720	0.632	0.765	0.775	0.680	0.724	0.711
Load Factor (Max) %	76.1%	72.8%	69.2%	84.4%	79.7%	84.0%	67.4%	83.9%	64.3%	76.8%	77.4%	84.3%
Load Factor (NCP) %	97.8%	91.7%	88.1%	106.1%	96.3%	100.2%	80.8%	95.1%	77.4%	90.8%	96.0%	104.3%
Load Factor (CP) %	114.1%	107.1%	100.8%	117.9%	119.9%	116.7%	106.6%	109.7%	82.9%	112.9%	106.9%	118.6%

CUSTOMER AVERAGES

Energy Use (KWh)	794,200	723,500	720,867	897,214	831,833	1,044,000	937,474	1,086,619	777,316	771,118	743,867	783,944
Ind. Max Demand (kW)	1,430.39	1,360.70	1,426.56	1,455.84	1,429.35	1,702.32	1,905.82	1,774.14	1,656.24	1,375.22	1,315.88	1,274.13
Coincident Demand (kW)	953.33	925.00	980.00	1,042.86	950.00	1,225.00	1,205.26	1,357.14	1,284.21	935.29	953.33	905.56

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

37.3	22.9	37.3
36.6	20.4	36.6
36.8	22.8	36.8

Class Peak by Season

32.9	18.2	32.9
32.2	18.5	32.2

Coincident Peak by Season

28.5	16.3	28.5
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Energy Summation by Season

30,789	22,276	53,065
30.7%	30.9%	
69,397	49,856	119,253
69.3%	69.1%	69.2%
100,186	72,132	172,318

Customer Averages by Season

18	16	17
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Seasonal Factors

0.765	0.711	0.765
61.4%	71.8%	52.8%
69.6%	88.8%	59.3%
99.9%	101.0%	85.9%

Seasonal Averages

908,060	777,265	842,663
1,640.51	1,377.25	1,508.88
1,159.49	960.01	1,059.75



Load Research Cost of Service Data
Test Year Ended December 31, 2011
*** Total General Service E-32TOU***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	59.6	60.1	59.5	56.2	63.6	68.8	78.9	87.2	77.8	67.8	61.5	67.0
On-Peak	51.9	54.6	54.0	51.1	58.6	63.4	74.4	82.7	71.4	62.0	55.2	59.4
Off-Peak	58.8	59.3	57.8	55.1	63.1	67.8	77.6	82.6	76.1	66.5	59.8	66.3
CLASS PEAK (MW)												
On-Peak	40.8	41.5	43.6	40.5	46.5	53.1	61.1	65.9	59.8	50.4	47.6	48.0
Off-Peak	42.8	42.1	41.7	38.9	46.4	53.0	58.6	61.8	57.5	49.8	45.5	50.0
COINCIDENT (MW)												
System	34.1	33.8	35.3	35.6	38.8	50.5	45.0	54.2	48.5	35.0	37.4	34.6
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	6,901	7,908	9,102	9,547	10,257	11,722	11,691	13,874	10,509	9,582	9,207	10,432
%	29.0%	30.9%	32.7%	31.3%	30.5%	31.4%	30.0%	32.9%	32.1%	30.0%	32.0%	31.0%
Off-Peak	16,863	17,707	18,768	20,958	23,360	25,615	27,253	28,266	22,234	22,395	19,570	23,208
%	71.0%	69.1%	67.3%	68.7%	69.5%	68.6%	70.0%	67.1%	67.9%	70.0%	68.0%	69.0%
Total	23,764	25,615	27,870	30,505	33,617	37,337	38,944	42,140	32,743	31,977	28,777	33,640
CUSTOMERS												
Monthly Count	452	440	441	432	443	440	443	434	452	435	445	448
FACTORS												
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.572	0.562	0.593	0.633	0.610	0.734	0.571	0.622	0.623	0.516	0.608	0.516
Load Factor (Max) %	54.6%	58.4%	64.1%	74.3%	72.4%	74.3%	67.7%	66.2%	57.6%	64.6%	64.1%	68.7%
Load Factor (NGP) %	76.1%	83.3%	87.6%	103.2%	99.0%	96.3%	87.3%	87.8%	75.0%	86.9%	82.8%	92.2%
Load Factor (CP) %	95.5%	103.8%	108.2%	117.4%	118.7%	101.3%	118.6%	106.5%	92.5%	125.2%	105.4%	133.2%
CUSTOMER AVERAGES												
Energy Use (kWh)	52,575	58,216	63,197	70,613	75,885	84,857	87,910	97,097	72,440	73,510	64,667	75,089
Incl. Max Demand (kW)	131.95	136.66	135.03	130.13	143.67	156.40	178.01	200.85	172.21	155.92	138.21	149.66
Coincident Demand (kW)	75.44	76.82	80.05	82.41	87.58	114.77	101.58	124.88	107.30	80.46	84.04	77.23

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-34 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	130.0	129.3	149.4	155.3	161.1	180.4	188.0	182.4	173.7	162.4	124.6	118.0
On-Peak	121.5	127.5	148.4	154.8	152.8	164.5	185.8	181.5	172.9	150.0	123.9	115.8
Off-Peak	127.8	127.1	139.6	149.3	157.2	178.8	182.9	175.6	169.1	148.3	117.0	116.2
CLASS PEAK (MW)												
On-Peak	114.0	80.8	133.0	138.1	141.2	153.3	169.0	166.0	158.2	136.9	109.7	107.0
Off-Peak	112.8	112.3	128.8	135.4	139.3	164.3	168.4	163.7	153.9	131.6	106.0	106.5
COINCIDENT (MW)												
System	105.0	109.4	124.5	128.2	129.2	125.5	140.1	155.6	154.5	114.3	102.4	100.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	22,090	22,681	23,629	21,821	23,172	24,439	28,339	32,275	31,422	25,817	24,168	21,744
%	30.8%	32.4%	34.5%	32.7%	30.6%	29.3%	31.1%	34.2%	34.0%	31.3%	33.3%	31.5%
Off-Peak	49,665	47,276	44,930	44,840	52,573	58,908	62,713	62,212	61,028	56,719	48,411	47,232
%	69.2%	67.6%	65.5%	67.3%	69.4%	70.7%	68.9%	65.8%	66.0%	68.7%	66.7%	68.5%
Total	71,755	69,957	68,559	66,661	75,745	83,347	91,052	94,487	92,450	82,536	72,579	68,976
CUSTOMERS												
Monthly Count	33	33	36	36	36	36	36	36	36	36	34	31
FACTORS												
Coincident Factor (CP)	0.807	0.846	0.833	0.825	0.802	0.896	0.745	0.853	0.889	0.750	0.822	0.849
Load Factor (Max) %	75.6%	74.1%	62.9%	58.9%	64.4%	63.3%	66.3%	71.0%	72.9%	74.2%	79.8%	80.1%
Load Factor (NCP) %	86.2%	85.4%	70.6%	66.1%	73.5%	69.5%	73.8%	78.0%	80.0%	82.6%	90.7%	88.3%
Load Factor (CP) %	93.6%	87.8%	75.4%	71.2%	80.3%	91.0%	89.0%	83.2%	82.0%	98.9%	97.1%	94.4%
CUSTOMER AVERAGES												
Energy Use (kWh)	2,174,394	2,119,909	1,904,417	1,851,694	2,104,028	2,315,194	2,529,222	2,624,639	2,568,056	2,427,529	2,341,258	2,225,032
Ind. Max Demand (kW)	3,940.40	3,917.88	4,150.67	4,314.90	4,474.13	5,012.13	5,222.82	5,066.02	4,825.52	4,483.38	4,018.24	3,805.18
Coincident Demand (kW)	3,181.82	3,315.15	3,458.33	3,561.11	3,588.89	3,486.11	3,891.67	4,322.22	4,291.67	3,361.76	3,303.23	3,229.03
SUMMER (May-Oct)												
Summation Ind Max by Season	188.0											
On-Peak	185.8											
Off-Peak	182.9											
WINTER (Nov-Apr)												
Summation Ind Max by Season		155.3										
On-Peak		154.8										
Off-Peak		149.3										
CLASS PEAK by Season												
On-Peak	169.0											
Off-Peak	168.4											
COINCIDENT Peak by Season												
On-Peak	155.6											
Off-Peak	155.6											
ENERGY Summation by Season												
On-Peak	165,483											
%	31.8%											
Off-Peak	354,154											
%	68.2%											
Total	519,617											
CUSTOMER Averages by Season												
Monthly Count	36											
SEASONAL FACTORS												
Coincident Factor (CP)	0.828											
Load Factor (Max) %	63.1%											
Load Factor (NCP) %	70.2%											
Load Factor (CP) %	84.7%											
SEASONAL AVERAGES												
Energy Use (kWh)	2,428,111											
Ind. Max Demand (kW)	4,847.33											
Coincident Demand (kW)	3,823.72											

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** General Service E-35 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	269.0	278.6	277.9	279.6	277.1	296.6	308.3	309.4	289.9	295.3	299.1	263.0
On-Peak	248.4	253.9	256.4	261.0	262.7	285.0	277.7	287.4	267.9	266.5	273.3	242.8
Off-Peak	266.5	276.1	271.8	277.4	274.6	294.1	306.2	308.0	287.6	293.3	296.2	259.1

CLASS PEAK (MW)

On-Peak	218.0	234.2	231.7	236.1	234.2	255.7	246.5	259.3	240.8	237.5	247.0	219.1
Off-Peak	224.0	237.0	234.7	236.8	235.6	254.3	261.6	268.6	251.5	249.8	250.9	227.3

COINCIDENT (MW)

System	200.2	227.5	210.6	210.1	215.9	246.5	223.8	228.0	236.8	198.2	219.5	206.2
Time	5h@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	24th@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	40,823	44,155	48,342	43,541	47,582	49,900	46,396	53,117	51,735	45,231	47,501	45,961
%	28.7%	29.8%	30.9%	29.7%	30.1%	30.9%	27.9%	30.9%	30.6%	28.3%	30.4%	29.5%
Off-Peak	101,463	103,840	108,148	102,914	110,425	111,527	120,022	118,570	117,107	114,635	108,938	109,607
%	71.3%	70.2%	69.1%	70.3%	69.9%	69.1%	72.1%	69.1%	69.4%	71.7%	69.6%	70.5%
Total	142,286	147,995	156,490	146,455	158,007	161,427	166,418	171,687	168,842	159,866	156,439	155,568

CUSTOMERS

Monthly Count	37	37	37	37	38	38	38	38	38	38	38	39
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.744	0.817	0.758	0.751	0.779	0.831	0.726	0.737	0.817	0.671	0.734	0.784
Load Factor (Max) %	72.4%	72.8%	77.1%	71.7%	78.1%	74.6%	73.9%	76.0%	79.8%	74.1%	71.7%	81.0%
Load Factor (NCP) %	87.0%	85.6%	91.4%	84.7%	91.9%	86.5%	87.2%	87.6%	92.0%	87.7%	85.4%	93.8%
Load Factor (CP) %	97.4%	89.1%	101.8%	95.5%	100.3%	89.7%	101.9%	103.2%	97.7%	110.5%	97.6%	103.3%

CUSTOMER AVERAGES

Energy Use (kWh)	3,845,568	3,998,865	4,229,459	3,854,079	4,158,079	4,248,079	4,379,421	4,518,079	4,443,211	4,207,000	4,011,256	3,988,923
Ind. Max Demand (kW)	7,271.11	7,529.30	7,510.92	7,359.06	7,291.48	7,805.09	8,113.38	8,141.21	7,628.43	7,772.35	7,668.70	6,744.39
Coincident Demand (kW)	5,410.81	6,148.65	5,691.89	5,528.95	5,681.58	6,486.84	5,889.47	6,000.00	6,231.58	5,215.79	5,628.21	5,287.18

TOU Periods - All Months: On-Peak 11 am - 11 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season

309.4	299.1	309.4
287.4	273.3	287.4
308.0	296.2	308.0

Class Peak by Season

259.3	247.0	259.3
268.6	250.9	268.6

Coincident Peak by Season

246.5	227.5	246.5
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Energy Summation by Season

293,961	270,323	564,284
29.8%	29.9%	29.8%
692,266	634,910	1,327,196
70.2%	70.1%	70.2%
986,247	905,233	1,891,480

Customer Averages by Season

38	38	38
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Seasonal Factors

0.797	0.761	0.797
72.8%	69.1%	69.8%
83.8%	82.4%	80.4%
100.6%	100.2%	96.5%

Seasonal Averages

4,325,645	3,988,192	4,156,918
7,791.99	7,347.25	7,569.62
5,917.54	5,615.95	5,766.75



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Customer #1 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)												
Non-Timed	13.2	14.0	13.6	13.9	13.1	12.9	13.1	14.2	12.1	11.8	14.4	15.5

On-Peak	13.1	13.0	13.4	13.8	11.1	12.8	12.4	14.0	11.9	11.7	13.8	15.5
Off-Peak	13.2	14.0	13.6	13.9	13.1	12.9	13.1	14.2	12.1	11.8	14.4	15.2

CLASS PEAK (MW)												
On-Peak	13.1	13.0	13.4	13.8	11.1	12.6	12.4	14.0	11.9	11.7	13.8	15.5
Off-Peak	13.2	14.0	13.6	13.9	13.1	12.9	13.1	14.2	12.1	11.8	14.4	15.2

COINCIDENT (MW)												
System	8.6	7.4	9.6	11.7	8.2	9.7	6.9	13.5	1.5	8.4	9.1	13.1
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)												
On-Peak	1,843	1,566	1,911	1,721	1,625	1,820	1,448	2,203	1,492	1,372	1,920	2,387
%	28.3%	27.0%	29.1%	27.5%	27.5%	29.3%	27.1%	30.8%	29.9%	25.6%	29.8%	30.2%
Off-Peak	4,671	4,234	4,650	4,546	4,276	4,393	3,906	4,947	3,490	3,985	4,523	5,511
%	71.7%	73.0%	70.9%	72.5%	72.5%	70.7%	72.9%	69.2%	70.1%	74.4%	70.2%	69.8%
Total	6,514	5,800	6,561	6,267	5,901	6,213	5,354	7,150	4,982	5,357	6,443	7,898

CUSTOMERS												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1

FACTORS												
Coincident Factor (CP)	0.652	0.529	0.706	0.842	0.626	0.752	0.527	0.951	0.124	0.712	0.632	0.845
Load Factor (Max) %	67.6%	56.8%	66.1%	61.8%	61.7%	66.0%	56.0%	69.0%	56.4%	62.2%	61.3%	69.8%
Load Factor (NCP) %	67.6%	56.8%	66.1%	61.8%	61.7%	66.0%	56.0%	69.0%	56.4%	62.2%	61.3%	69.8%
Load Factor (CP) %	103.8%	107.4%	93.6%	73.4%	98.6%	87.7%	106.3%	72.6%	455.0%	87.4%	97.0%	82.6%

CUSTOMER AVERAGES												
Energy Use (kWh)	6,514,000	5,800,000	6,561,000	6,267,000	5,901,000	6,213,000	5,354,000	7,150,000	4,982,000	5,357,000	6,443,000	7,898,000
Ind. Max Demand (kW)	13,200.00	14,000.00	13,600.00	13,900.00	13,100.00	12,900.00	13,100.00	14,200.00	12,100.00	11,800.00	14,400.00	15,500.00
Coincident Demand (kW)	8,600.00	7,400.00	9,600.00	11,700.00	8,200.00	9,700.00	6,900.00	13,500.00	1,500.00	8,400.00	9,100.00	13,100.00

TOU Periods - All Months: On-Peak Off-Peak
11 am - 9 pm, M-F 9 pm - 11 am, M-F & All Weekends

SUMMER	WINTER	ANNUAL
(May-Oct)	(Nov-Apr)	

Summation Ind Max by Season		
14.2	15.5	15.5
14.0	15.5	15.5
14.2	15.2	15.2

Class Peak by Season		
14.0	15.5	15.5
14.2	15.2	15.2

Coincident Peak by Season		
13.5	13.1	13.5

Energy Summation by Season		
9,959	11,348	21,307
28.5%	28.7%	28.6%
24,998	28,135	53,133
71.5%	71.3%	71.4%
34,957	39,483	74,440

Customer Averages by Season		
1	1	1

Seasonal Factors		
0.951	0.845	0.951
56.2%	58.2%	54.8%
56.2%	58.2%	54.8%
115.7%	68.8%	123.2%

Seasonal Averages		
5,826,167	6,580,500	6,203,333
12,866.67	14,100.00	13,483.33
8,033.33	9,916.67	8,975.00



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Customer # 2 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	29.6	30.4	27.2	32.1	29.6	31.3	30.9	31.9	38.3	30.9	32.4	33.6
On-Peak	28.0	26.7	27.2	31.9	28.1	29.1	30.9	31.9	38.3	30.9	32.4	33.6
Off-Peak	29.6	30.4	27.1	32.1	29.6	31.3	30.7	31.6	37.5	30.7	29.8	28.3
CLASS PEAK (MW)												
On-Peak	28.0	26.7	27.2	31.9	28.1	29.1	30.9	31.9	38.3	30.9	32.4	33.6
Off-Peak	29.6	30.4	27.1	32.1	29.6	31.3	30.7	31.6	37.5	30.7	29.8	28.3
COINCIDENT (MW)												
System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	3,075	3,258	2,921	2,930	2,511	4,823	5,023	5,362	4,836	3,171	3,510	2,899
%	27.4%	28.9%	29.8%	28.6%	27.5%	31.9%	28.6%	31.0%	28.4%	27.5%	32.7%	31.6%
Off-Peak	8,129	8,022	6,874	7,310	6,623	10,276	12,542	11,930	12,204	8,342	7,216	6,289
%	72.6%	71.1%	70.2%	71.4%	72.5%	68.1%	71.4%	69.0%	71.6%	72.5%	67.3%	68.4%
Total	11,204	11,280	9,795	10,240	9,134	15,099	17,565	17,292	17,040	11,513	10,726	9,188
CUSTOMERS												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
FACTORS												
Coincident Factor (CP)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	51.9%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (NCP) %	51.9%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (CP) %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CUSTOMER AVERAGES												
Energy Use (kWh)	11,204,000	11,280,000	9,795,000	10,240,000	9,134,000	15,099,000	17,565,000	17,292,000	17,040,000	11,513,000	10,726,000	9,188,000
Ind. Max Demand (kW)	29,600.00	30,400.00	27,200.00	32,100.00	29,600.00	31,300.00	30,900.00	31,900.00	38,300.00	30,900.00	32,400.00	33,600.00
Coincident Demand (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL FACTORS												
Seasonal Factors	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (NCP) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (CP) %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SEASONAL AVERAGES												
Energy Use (kWh)	14,607,167	10,405,500	12,506,333									
Ind. Max Demand (kW)	32,150.00	30,883.33	31,516.67									
Coincident Demand (kW)	0.00	0.00	0.00									
CUSTOMER AVERAGES BY SEASON												
Customer Averages by Season	1	1	1	1	1	1	1	1	1	1	1	1
SEASONAL FACTORS												
Seasonal Factors	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (NCP) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (CP) %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SEASONAL AVERAGES												
Energy Use (kWh)	14,607,167	10,405,500	12,506,333									
Ind. Max Demand (kW)	32,150.00	30,883.33	31,516.67									
Coincident Demand (kW)	0.00	0.00	0.00									
CUSTOMER AVERAGES BY SEASON												
Customer Averages by Season	1	1	1	1	1	1	1	1	1	1	1	1
SEASONAL FACTORS												
Seasonal Factors	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (NCP) %	52.2%	50.8%	49.3%	43.7%	42.3%	66.1%	77.9%	74.3%	60.9%	51.0%	45.3%	37.5%
Load Factor (CP) %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SEASONAL AVERAGES												
Energy Use (kWh)	14,607,167	10,405,500	12,506,333									
Ind. Max Demand (kW)	32,150.00	30,883.33	31,516.67									
Coincident Demand (kW)	0.00	0.00	0.00									

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

Customer # 3

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
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SUMMATION IND MAX (MW)

Non-Timed	0.0	0.0	0.0	8.6	10.2	5.6	8.8	9.1	0.0	0.0	0.0	8.1	5.4
On-Peak	0.0	0.0	0.0	5.7	9.0	4.5	4.6	0.0	0.0	0.0	0.0	6.1	4.0
Off-Peak	0.0	0.0	0.0	8.6	10.2	5.6	8.8	9.1	0.0	0.0	0.0	8.1	5.4

CLASS PEAK (MW)

On-Peak	0.0	0.0	0.0	5.7	9.0	4.5	4.6	0.0	0.0	0.0	0.0	6.1	4.0
Off-Peak	0.0	0.0	0.0	8.6	10.2	5.6	8.8	9.1	0.0	0.0	0.0	8.1	5.4

COINCIDENT (MW)

System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.8
Time	5h@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800	

ENERGY (MWH)

On-Peak	0	0	124	27	163	19	0	0	0	0	0	319	317
%	0.0%	0.0%	34.5%	13.8%	25.5%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	31.4%	29.5%
Off-Peak	0	0	236	168	478	467	13	0	0	0	0	697	757
%	0.0%	0.0%	65.5%	86.2%	74.5%	96.1%	100.0%	0.0%	0.0%	0.0%	0.0%	68.6%	70.5%
Total	0	0	360	195	641	486	13	0	0	0	0	1,016	1,074

CUSTOMERS

Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1	1
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All load factors are calculated based on 730 hours per month.

FACTORS

Coincident Factor (CP)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.642	0.519
Load Factor (Max) %	0.0%	0.0%	5.7%	2.6%	15.7%	7.6%	0.2%	0.0%	0.0%	0.0%	0.0%	17.2%	27.2%
Load Factor (NCP) %	0.0%	0.0%	5.7%	2.6%	15.7%	7.6%	0.2%	0.0%	0.0%	0.0%	0.0%	17.2%	27.2%
Load Factor (CP) %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.8%	52.5%

CUSTOMER AVERAGES

Energy Use (kWh)	0	0	380,000	195,000	641,000	486,000	13,000	0	0	0	0	1,016,000	1,074,000
Ind. Max Demand (kW)	0.00	0.00	8,600.00	10,200.00	5,600.00	8,800.00	9,100.00	0.00	0.00	0.00	0.00	8,100.00	5,400.00
Coincident Demand (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,200.00	2,800.00

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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Summation Ind Max by Season	9.1	10.2	10.2
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On-Peak	4.6	9.0	9.0
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Off-Peak	9.1	10.2	10.2
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Class Peak by Season	4.6	9.0	9.0
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Off-Peak	9.1	10.2	10.2
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Coincident Peak by Season	0.0	5.2	5.2
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Energy Summation by Season	0	0	0
%	0.0%	0.0%	0.0%

Off-Peak	0	0	0
%	0.0%	0.0%	0.0%

Total	1,140	2,645	3,785
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Customer Averages by Season	1	1	1
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Seasonal Factors	0.000	0.510	0.000
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Load Factor (Max) %	2.9%	5.9%	4.2%
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Load Factor (NCP) %	2.9%	5.9%	4.2%
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Load Factor (CP) %	0.0%	21.6%	0.0%
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Seasonal Averages	190,000	440,833	315,417
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Ind. Max Demand (kW)	3,916.67	5,353.33	4,650.00
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Coincident Demand (kW)	0.00	1,333.33	686.67
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Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Customer # 4 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	2.7	4.8	2.1	4.2	13.0	9.7	18.1	17.3	15.6	4.4	5.3	3.8
On-Peak	2.2	4.6	2.0	3.0	7.8	8.2	7.2	7.7	8.0	4.4	5.3	3.7
Off-Peak	2.7	4.8	2.1	4.2	13.0	9.7	18.1	17.3	15.6	4.4	3.5	3.8
CLASS PEAK (MW)												
On-Peak	2.2	4.6	2.0	3.0	7.8	8.2	7.2	7.7	8.0	4.4	5.3	3.7
Off-Peak	2.7	4.8	2.1	4.2	13.0	9.7	18.1	17.3	15.6	4.4	3.5	3.8
COINCIDENT (MW)												
System	2.0	3.5	1.8	1.8	1.7	3.0	0.0	0.0	0.0	3.7	1.6	2.2
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	395	462	402	334	493	586	370	152	702	488	414	471
%	27.5%	30.8%	30.5%	29.0%	28.7%	30.6%	12.8%	5.6%	23.6%	28.6%	30.9%	29.5%
Off-Peak	1,040	1,049	918	819	1,223	1,327	2,524	2,566	2,272	1,222	926	1,124
%	72.5%	69.4%	69.5%	71.0%	71.3%	69.4%	87.2%	100.0%	76.4%	71.4%	69.1%	70.5%
Total	1,435	1,511	1,320	1,153	1,716	1,913	2,894	2,718	2,974	1,710	1,340	1,595
CUSTOMERS												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
All load factors are calculated based on 730 hours per month.												
Coincident Factor (CP)	0.741	0.729	0.857	0.429	0.131	0.309	0.000	0.000	0.000	0.841	0.302	0.579
Load Factor (Max) %	72.8%	43.1%	86.1%	37.6%	18.1%	27.0%	21.9%	21.5%	26.1%	53.2%	34.6%	57.5%
Load Factor (NCP) %	72.8%	43.1%	86.1%	37.6%	18.1%	27.0%	21.9%	21.5%	26.1%	53.2%	34.6%	57.5%
Load Factor (CP) %	98.3%	59.1%	100.5%	87.7%	138.3%	87.4%	0.0%	0.0%	0.0%	63.3%	114.7%	99.3%
CUSTOMER AVERAGES												
Energy Use (kWh)	1,435,000	1,511,000	1,320,000	1,153,000	1,716,000	1,913,000	2,894,000	2,718,000	2,974,000	1,710,000	1,340,000	1,595,000
Ind. Max Demand (kW)	2,700.00	4,800.00	2,100.00	4,200.00	13,000.00	9,700.00	18,100.00	17,300.00	15,600.00	4,400.00	5,300.00	3,800.00
Coincident Demand (kW)	2,000.00	3,500.00	1,800.00	1,800.00	1,700.00	3,000.00	0.00	0.00	0.00	3,700.00	1,600.00	2,200.00
Seasonal Averages												
Energy Use (kWh)	2,320,833	1,392,333	1,856,583									
Ind. Max Demand (kW)	13,016.67	3,816.67	8,416.67									
Coincident Demand (kW)	1,400.00	2,150.00	1,775.00									
Seasonal Factors												
Coincident Factor (CP)	0.204	0.660	0.204									
Load Factor (Max) %	17.6%	36.0%	14.1%									
Load Factor (NCP) %	17.6%	36.0%	14.1%									
Load Factor (CP) %	0.0%	86.7%	0.0%									
Customer Averages by Season												
Monthly Count	1	1	1									
Energy Summation by Season												
On-Peak	2,791	2,478	5,269									
%	20.0%	29.7%	23.7%									
Off-Peak	11,134	5,876	17,010									
%	80.0%	70.3%	76.3%									
Total	13,925	8,354	22,279									
Customer Averages by Season												
Monthly Count	1	1	1									
Seasonal Averages												
Energy Use (kWh)	2,320,833	1,392,333	1,856,583									
Ind. Max Demand (kW)	13,016.67	3,816.67	8,416.67									
Coincident Demand (kW)	1,400.00	2,150.00	1,775.00									
Seasonal Factors												
Coincident Factor (CP)	0.204	0.660	0.204									
Load Factor (Max) %	17.6%	36.0%	14.1%									
Load Factor (NCP) %	17.6%	36.0%	14.1%									
Load Factor (CP) %	0.0%	86.7%	0.0%									
Customer Averages by Season												
Monthly Count	1	1	1									



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** Customer # 5 ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	11.4	12.5	5.7	19.2	15.4	23.2	22.5	28.5	13.5	11.9	4.1	10.5
On-Peak	7.4	5.5	5.5	6.8	7.1	4.0	0.0	0.0	0.0	4.9	4.1	5.0
Off-Peak	11.4	12.5	5.7	19.2	15.4	23.2	22.5	28.5	13.5	11.9	4.0	10.5
CLASS PEAK (MW)												
On-Peak	7.4	5.5	5.5	6.8	7.1	4.0	0.0	0.0	0.0	4.9	4.1	5.0
Off-Peak	11.4	12.5	5.7	19.2	15.4	23.2	22.5	28.5	13.5	11.9	4.0	10.5
COINCIDENT (MW)												
System	0.0	0.0	2.7	2.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	5h@0800	3d@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1600	24th@1700	1st@1700	2nd@1700	1st@1900	7h@0800
ENERGY (MWH)												
On-Peak	828	681	580	377	589	39	0	0	0	132	176	204
%	27.1%	27.1%	32.1%	21.7%	23.7%	2.1%	0.0%	0.0%	0.0%	32.7%	30.0%	27.5%
Off-Peak	2,221	1,833	1,228	1,362	1,803	1,834	1,811	1,629	1,580	271	412	536
%	72.9%	72.9%	67.9%	78.3%	76.3%	97.9%	100.0%	100.0%	100.0%	67.3%	70.0%	72.5%
Total	3,049	2,514	1,808	1,739	2,482	1,873	1,811	1,629	1,580	403	588	740
CUSTOMERS												
Monthly Count	1	1	1	1	1	1	1	1	1	1	1	1
FACTORS												
Coincident Factor (CP)	0.000	0.000	0.474	0.141	0.253	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Load Factor (Max) %	36.6%	27.6%	43.5%	12.4%	22.1%	11.1%	11.0%	7.8%	16.0%	4.6%	19.6%	9.7%
Load Factor (NCP) %	36.6%	27.6%	43.5%	12.4%	22.1%	11.1%	11.0%	7.8%	16.0%	4.6%	19.6%	9.7%
Load Factor (CP) %	0.0%	0.0%	91.7%	88.2%	87.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CUSTOMER AVERAGES												
Energy Use (KWh)	3,049,000	2,514,000	1,808,000	1,739,000	2,482,000	1,873,000	1,811,000	1,629,000	1,580,000	403,000	588,000	740,000
Ind. Max Demand (kW)	11,400.00	12,500.00	5,700.00	19,200.00	15,400.00	23,200.00	22,500.00	28,500.00	13,500.00	11,900.00	4,100.00	10,500.00
Coincident Demand (kW)	0.00	0.00	2,700.00	2,700.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL AVERAGES												
Seasonal Averages	1,629,667	1,739,667	1,808,667	1,739,667	2,482,667	1,873,667	1,811,667	1,629,667	1,580,667	403,667	588,667	740,667
Ind. Max Demand (kW)	19,166.67	21,166.67	10,566.67	21,166.67	15,466.67	23,266.67	22,566.67	28,566.67	13,566.67	11,966.67	4,166.67	10,566.67
Coincident Demand (kW)	650.00	650.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00
SEASONAL FACTORS												
Seasonal Factors	0.137	0.137	0.141	0.141	0.137	0.137	0.141	0.137	0.137	0.141	0.137	0.137
Load Factor (Max) %	7.8%	7.8%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	8.1%
Load Factor (NCP) %	7.8%	7.8%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	8.1%
Load Factor (CP) %	0.0%	0.0%	91.7%	88.2%	87.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CUSTOMER AVERAGES BY SEASON												
Customer Averages by Season	1	1	1	1	1	1	1	1	1	1	1	1
SEASONAL FACTORS BY SEASON												
Seasonal Factors by Season	0.137	0.137	0.141	0.141	0.137	0.137	0.141	0.137	0.137	0.141	0.137	0.137
Load Factor (Max) %	7.8%	7.8%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	8.1%
Load Factor (NCP) %	7.8%	7.8%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	12.4%	8.1%
Load Factor (CP) %	0.0%	0.0%	91.7%	88.2%	87.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SEASONAL AVERAGES BY SEASON												
Seasonal Averages by Season	1,629,667	1,739,667	1,808,667	1,739,667	2,482,667	1,873,667	1,811,667	1,629,667	1,580,667	403,667	588,667	740,667
Ind. Max Demand (kW)	19,166.67	21,166.67	10,566.67	21,166.67	15,466.67	23,266.67	22,566.67	28,566.67	13,566.67	11,966.67	4,166.67	10,566.67
Coincident Demand (kW)	650.00	650.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00	900.00

TOU Periods - All Months: On-Peak 11 am - 11 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



*** Customer # 6 ***

[illegible]

Summation Ind Max by Season

	4.4	5.9	2.6	7.2	2.6	6.3	6.2	0.0	5.3	5.5	5.9	4.2
Non-Timed	4.4	5.9	2.6	7.2	2.6	6.3	6.2	0.0	5.3	5.5	5.9	4.2

On-Peak	1.5	2.3	1.5	4.3	2.3	5.3	0.0	0.0	4.1	3.8	2.0
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[illegible]

Class Peak by Season

On-Peak	1.5	2.3	1.5	4.3	2.3	5.3	0.0	0.0	0.0	4.1	3.8	2.0
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Off-Peak	4.4	5.9	2.6	7.2	2.6	6.3	6.2	0.0	5.3	5.5	5.9	4.2
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Coincident Peak by Season

System	1.0	0.0	1.0	1.0	1.4	0.0	0.0	0.0	0.0	0.0	2.1	1.0	1.1
System	1.0	0.0	1.0	1.0	1.4	0.0	0.0	0.0	0.0	0.0	2.1	1.0	1.1

Energy Summation by Season

On-Peak	196	196	208	254	232	15	0	0	226	272	208
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[illegible]

City	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407																																																									
%	73.7%	71.9%	70.0%	68.9%	68.2%	97.3%	100.0%	100.0%	0.0%	100.0%	69.3%	71.9%	76.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1

Total	746	699	695	816	729	553	179	0	386	945	888	740
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Customer Averages by Season

[illegible]

All load factors are calculated based on 730 hours per month.

	All road factors are calculated based on 700 rounds per minute.					
Coincident Factor (CP)	0.227	0.000	0.385	0.139	0.538	0.000
						0.382
						0.169
						0.262

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Seasonal Averages

[illegible]

Ind. Max Demand (kW)	4,400.00	5,900.00	2,600.00	7,200.00	2,600.00	6,300.00	6,200.00	0.00	5,300.00	5,500.00	5,900.00	4,200.00
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TOU Periods - All Months:	On-Peak	Off-Peak
	11 am - 11 am, M-F	9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

STREETLIGHTS

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
SUMMATION IND MAX (MW)												
Non-Timed	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
On-Peak	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
Off-Peak	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
CLASS PEAK (MW)												
On-Peak	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
Off-Peak	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
COINCIDENT (MW)												
System	0.0	0.0	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1700	24th@1600	1st@1700	2nd@1700	1st@1900	7th@0800
ENERGY (MWH)												
On-Peak	1,775	1,722	1,681	1,431	1,274	1,170	1,030	1,491	1,772	1,992	2,283	2,110
%	16.1%	15.4%	14.8%	12.9%	11.5%	10.3%	9.5%	12.3%	14.9%	16.5%	19.3%	18.4%
Off-Peak	9,282	9,472	9,662	9,688	9,826	10,233	9,833	10,589	10,101	10,055	9,558	9,389
%	83.9%	84.6%	85.2%	87.1%	88.5%	89.7%	90.5%	87.7%	85.1%	83.5%	80.7%	81.6%
Total	11,057	11,194	11,343	11,119	11,100	11,403	10,863	12,080	11,873	12,047	11,841	11,499
CUSTOMERS												
Monthly Count	966	968	967	969	969	971	970	975	976	978	980	981
FACTORS												
Coincident Factor (CP)	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000
Load Factor (Max) %	47.5%	48.1%	48.7%	47.7%	47.7%	49.0%	46.6%	51.9%	51.0%	51.7%	50.8%	49.4%
Load Factor (NCP) %	47.5%	48.1%	48.7%	47.7%	47.7%	49.0%	46.6%	51.9%	51.0%	51.7%	50.8%	49.4%
Load Factor (CP) %	0.0%	0.0%	48.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.8%	0.0%
CUSTOMER AVERAGES												
Energy Use (kWh)	11,446	11,564	11,730	11,475	11,455	11,744	11,199	12,390	12,165	12,318	12,083	11,722
Ind. Max Demand (kW)	33.02	32.95	32.99	32.92	32.92	32.85	32.89	32.72	32.68	32.62	32.55	32.52
Coincident Demand (kW)	0.00	0.00	32.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.55	0.00
Seasonal Factors												
0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
49.6%	48.7%	48.7%	47.7%	47.7%	49.0%	46.6%	51.9%	51.0%	51.7%	50.8%	49.4%	49.2%
49.6%	48.7%	48.7%	47.7%	47.7%	49.0%	46.6%	51.9%	51.0%	51.7%	50.8%	49.4%	49.2%
0.0%	0.0%	48.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.8%	0.0%
Seasonal Averages												
11,878	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670
32.78	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83
0.00	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92
Customer Averages by Season												
973	972	972	972	972	972	972	972	972	972	972	972	972
Energy Summation by Season												
8,728	11,003	11,003	11,003	11,003	11,003	11,003	11,003	11,003	11,003	11,003	11,003	11,003
12.6%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%	16.2%
60,638	57,050	57,050	57,050	57,050	57,050	57,050	57,050	57,050	57,050	57,050	57,050	57,050
87.4%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%	83.8%
69,366	68,053	68,053	68,053	68,053	68,053	68,053	68,053	68,053	68,053	68,053	68,053	68,053
Coincident Peak by Season												
0.0	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
Class Peak by Season												
31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
Summation Ind Max by Season												
31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
Seasonal Factors												
0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
49.6%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%
49.6%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%	48.7%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Seasonal Averages												
11,878	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670	11,670
32.78	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83	32.83
0.00	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92

TOU Periods - All Months: On-Peak 11 am - 9 pm, M-F Off-Peak 9 pm - 11 am, M-F & All Weekends



Load Research Cost of Service Data
Test Year Ended December 31, 2011

*** DUSK TO DAWN ***

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
--	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

SUMMATION IND MAX (MW)

Non-Timed	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
On-Peak	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Off-Peak	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4

CLASS PEAK (MW)

On-Peak	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Off-Peak	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4

COINCIDENT (MW)

System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	5th@0800	3rd@0800	31st@2000	1st@1800	27th@1700	27th@1700	2nd@1700	24th@1700	1st@1700	2nd@1700	1st@1900	7th@0800

ENERGY (MWH)

On-Peak	308	295	285	246	224	197	183	252	286	320	372	352
%	16.1%	15.4%	14.8%	12.9%	11.5%	10.3%	9.5%	12.3%	14.9%	16.5%	19.3%	18.4%
Off-Peak	1,610	1,623	1,635	1,665	1,730	1,727	1,749	1,792	1,634	1,618	1,555	1,568
%	83.9%	84.6%	85.2%	87.1%	88.5%	89.7%	90.5%	87.7%	85.1%	83.5%	80.7%	81.6%
Total	1,918	1,918	1,920	1,911	1,954	1,924	1,932	2,044	1,920	1,938	1,927	1,920

CUSTOMERS

Monthly Count	8,359	8,359	8,318	8,325	8,306	8,336	8,332	8,333	8,305	8,303	8,286	8,287
---------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

FACTORS

Coincident Factor (CP)	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000
Load Factor (Max) %	48.7%	48.7%	48.7%	48.5%	49.6%	48.8%	49.0%	51.9%	48.7%	49.2%	48.9%	48.7%
Load Factor (NCP) %	48.7%	48.7%	48.7%	48.5%	49.6%	48.8%	49.0%	51.9%	48.7%	49.2%	48.9%	48.7%
Load Factor (CP) %	0.0%	0.0%	48.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	48.9%	0.0%

CUSTOMER AVERAGES

Energy Use (kWh)	229	229	231	230	235	231	232	245	231	233	233	232
Ind. Max Demand (kW)	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
Coincident Demand (kW)	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00

TOU Periods - All Months:	On-Peak 11 am - 11 am, M-F	Off-Peak 9 pm - 11 am, M-F & All Weekends
---------------------------	-------------------------------	--

SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
---------------------	---------------------	--------

Summation Ind Max by Season	5.4	5.4	5.4
	5.4	5.4	5.4
	5.4	5.4	5.4

Class Peak by Season	5.4	5.4	5.4
	5.4	5.4	5.4

Coincident Peak by Season	0.0	5.4	5.4
---------------------------	-----	-----	-----

Energy Summation by Season	1,464	1,857	3,321
	12.5%	16.1%	14.3%
	10,248	9,657	19,905
	87.5%	83.9%	85.7%
	11,712	11,514	23,226

Customer Averages by Season	8,319	8,322	8,321
-----------------------------	-------	-------	-------

Seasonal Factors	0.000	1.000	0.000
	49.5%	48.7%	49.1%
	49.5%	48.7%	49.1%
	0.0%	0.0%	0.0%

Seasonal Averages	235	231	233
	0.65	0.65	0.65
	0.00	0.22	0.11

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 20011**

Tab III

R14-2-703 Section A.3

Attached is the number of customers by customer class for each of the previous 10 years.

ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011

Tab III

R14-2-207 Section A.3 - Customers by Customer Class for Previous Ten Years

Customer Class	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Residential	801,801	828,366	859,069	896,472	936,464	966,013	977,944	983,539	989,877	994,244
Commercial	95,575	98,424	102,393	106,374	110,547	115,304	118,945	120,305	120,229	121,116
Industrial and Irrigation	3,671	3,681	3,730	3,794	3,871	3,927	3,933	3,857	3,777	3,744
Public Street Lighting	759	778	794	809	831	913	919	918	1,001	972
Other Public Authorities	223	210	199	191	182	170	164	162	163	160

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab IV

R14-2-703 Section: A.4

Reduction in load (kilowatt and kilowatt-hours) in the previous calendar year
due to existing demand management measures, by type of management measure.

**APS DSM Electric Savings
January - December 2011**

Low Income	0.2	2,437	42,653
Res Existing Homes HVAC	15.1	27,366	354,083
Res New Home Construction	2.8	4,540	90,794
Consumer Products	14.3	146,808	915,248
Appliance Recycling	2.1	14,168	85,008
Multi-Family	0.5	3,800	28,537
Behavioral Pilot	1.5	12,580	12,580
Shade Trees	0.5	772	23,158
Large Existing Facilities	17.8	122,529	1,619,504
Large Non Res New Const	2.6	17,483	266,241
Small Business	6.1	29,846	412,169
Energy Information Svcs	2.3	33	169
Schools	3.0	14,839	203,664

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab V

R14-2-703 Sections B.1.a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r

Portions of this information are competitively confidential and have been redacted. An unredacted version is being provided to Staff pursuant to an executed Protective Agreement.

Tab V
R14-2-703 Section B.1.a, b, c, d, e, f, g, h, i, j, k, m, n, o
2011 GENERATING UNIT INFORMATION - REDACTED

B.1	B.1.a	B.1.b	B.1.c	B.1.d	B.1.e	B.1.f	B.1.g	B.1.h	B.1.i	B.1.j	B.1.k	B.1.l	B.1.m	B.1.n	B.1.o
PLANT	IN SERVICE	BOOK LIFE	TYPE OF UNIT OR CONTRACT	(JRS SHARE) CAPACITY MW	MAXIMUM CAPACITY MW (M)	AVERAGE HEAT RATE BTU/KWH	HEAT RATE BTU/KWH Coal/Oil/Nuclear	HEAT RATE BTU/KWH Gas	50% 75% 100% 50% 75% 100%	50% 75% 100% 50% 75% 100%	FUEL COSTS \$/MBTU	FUEL TYPE	MINIMUM CAPACITY GAS/OIL COAL NUCLEAR	UNIT MUST BE RUN IF AVAILABLE	BASE LOAD INTERMEDIATE OR PEAKING UNIT
Palo Verde	1986	2044	Nuclear Steam	381.5 / 387.0	382	382	382	382	382	382	382	382	381.5	Yes	Base load
Unit 1	1986	2044	Nuclear Steam	381.5 / 387.0	382	382	382	382	382	382	382	382	381.5	Yes	Base load
Unit 2	1986	2044	Nuclear Steam	381.5 / 387.0	382	382	382	382	382	382	382	382	381.5	Yes	Base load
Unit 3	1988	2047	Nuclear Steam	382.2 / 388.8	382	382	382	382	382	382	382	382	381.8	Yes	Base load
Four Corners	1963	2016	Steam	170	170	170	170	170	170	170	170	170	80	---	Base load
Unit 1	1963	2016	Steam	170	170	170	170	170	170	170	170	170	80	---	Base load
Unit 2	1963	2016	Steam	170	170	170	170	170	170	170	170	170	80	---	Base load
Unit 3	1964	2016	Steam	220	220	220	220	220	220	220	220	220	100	---	Base load
Unit 4	1968	2031	Steam	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	60	---	Base load
Unit 5	1970	2031	Steam	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	60	---	Base load
Cholla	1992	2028	Steam	118	118	118	118	118	118	118	118	118	30	---	Base load
Unit 1	1992	2028	Steam	118	118	118	118	118	118	118	118	118	30	---	Base load
Unit 2	1976	2033	Steam	280	280	280	280	280	280	280	280	280	75	---	Base load
Unit 3	1980	2035	Steam	271	271	271	271	271	271	271	271	271	75	---	Base load
Navajo	1974	2026	Steam	105	105	105	105	105	105	105	105	105	50	---	Base load
Unit 1	1974	2026	Steam	105	105	105	105	105	105	105	105	105	50	---	Base load
Unit 2	1975	2026	Steam	105	105	105	105	105	105	105	105	105	50	---	Base load
Unit 3	1976	2026	Steam	105	105	105	105	105	105	105	105	105	50	---	Base load
West Phoenix	1972	2020	CT	55	55	55	55	55	55	55	55	55	4	---	Peaking
CT 1	1972	2020	CT	55	55	55	55	55	55	55	55	55	4	---	Peaking
CT 2	1973	2020	CT	55	55	55	55	55	55	55	55	55	4	---	Peaking
CT 3	1976	2020	Combined Cycle	88	88	88	88	88	88	88	88	88	10	---	Intermediate
CC 1	1976	2020	Combined Cycle	88	88	88	88	88	88	88	88	88	10	---	Intermediate
CC 2	1976	2020	Combined Cycle	88	88	88	88	88	88	88	88	88	10	---	Intermediate
CC 3	1976	2020	Combined Cycle	88	88	88	88	88	88	88	88	88	10	---	Intermediate
CC 4	2001	2036	Combined Cycle	117	107	107	107	107	107	107	107	107	77	---	Intermediate
CC 5	2003	2038	Combined Cycle	508	480	480	480	480	480	480	480	480	270	---	Intermediate
Ocotillo	1980	2020	Steam	110	110	110	110	110	110	110	110	110	20	---	Peaking
Unit 1 ST	1980	2020	Steam	110	110	110	110	110	110	110	110	110	20	---	Peaking
Unit 2 ST	1980	2020	Steam	110	110	110	110	110	110	110	110	110	20	---	Peaking
Unit 1 CT	1972	2020	CT	55	55	55	55	55	55	55	55	55	4	---	Peaking
Unit 2 CT	1973	2020	CT	55	55	55	55	55	55	55	55	55	4	---	Peaking
Unit 3 CT	2002	2037	Combined Cycle	482	474	474	474	474	474	474	474	474	250	---	Intermediate
Redhawk	2002	2037	Combined Cycle	482	474	474	474	474	474	474	474	474	250	---	Intermediate
CC 1	2002	2037	Combined Cycle	482	474	474	474	474	474	474	474	474	250	---	Intermediate
CC 2	2002	2037	Combined Cycle	482	474	474	474	474	474	474	474	474	250	---	Intermediate
Saguaro	1954	2020	Steam	110/110	110	110	110	110	110	110	110	110	20	---	Peaking
Unit 1 ST	1954	2020	Steam	110/110	110	110	110	110	110	110	110	110	20	---	Peaking
Unit 2 ST	1955	2020	Steam	100/100	100	100	100	100	100	100	100	100	20	---	Peaking
Unit 1 CT	1972	2020	CT	55/54 (N3)	50	50	50	50	50	50	50	50	4	---	Peaking
Unit 2 CT	1973	2020	CT	55/54 (N3)	50	50	50	50	50	50	50	50	4	---	Peaking
Unit 3 CT	2002	2037	CT	76	76	76	76	76	76	76	76	76	40	---	Peaking
Sundance	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 1 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 2 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 3 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 4 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 5 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 6 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 7 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 8 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 9 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Unit 10 CT	2002	2037	CT	42	41	41	41	41	41	41	41	41	20	---	Peaking
Douglas	1972	2020	CT	16	15	15	15	15	15	15	15	15	2	---	Peaking
Unit 1 CT	1972	2020	CT	16	15	15	15	15	15	15	15	15	2	---	Peaking
Yucca	1971	2020	CT	19/19 (N3)	18	22	22	22	22	22	22	22	2	---	Peaking
Unit 1 CT	1971	2020	CT	19/19 (N3)	18	22	22	22	22	22	22	22	2	---	Peaking
Unit 2 CT	1971	2020	CT	19/19 (N3)	18	22	22	22	22	22	22	22	2	---	Peaking
Unit 3 CT	1973	2020	CT	55/54 (N3)	52	52	52	52	52	52	52	52	5	---	Peaking
Unit 4 CT	1974	2019	CT	54	51	51	51	51	51	51	51	51	5	---	Peaking
Unit 5 CT	2008	2043	CT	48	47	47	47	47	47	47	47	47	20	---	Peaking
Unit 6 CT	2008	2043	CT	48	47	47	47	47	47	47	47	47	20	---	Peaking
Solar	2011	2041	Solar PV	17.0	17	17	17	17	17	17	17	17	---	---	Intermediate
Cotton Center	2011	2041	Solar PV	17.0	17	17	17	17	17	17	17	17	---	---	Intermediate
Hydr 1	2011	2041	Solar PV	17.0	17	17	17	17	17	17	17	17	---	---	Intermediate
Plasma	2011	2041	Solar PV	17.0	17	17	17	17	17	17	17	17	---	---	Intermediate

NOTES:
1) All data is based on historical information, unless otherwise indicated.
2) Avg. fuel cost (item g) is based on all fuel expenses reported in FERC Form 1.
3) First number indicates net minimum capacity on natural gas; second number indicates net maximum capacity on residual oil.
4) Summer and winter net maximum capacities are based on gas firing when applicable (i.e., Saguaro and Yucca).
5) Net maximum capacity based on Maximum Dependable Capacity.
6) Unit cost adjusted to allocate the oil over each generating unit and its respective oil burn.
7) Variable O&M \$/MWH to minimum (item h) for the CT's represents total start-up dollars, not \$/MWH.

ARIZONA PUBLIC SERVICE COMPANY
2012 INTEGRATED RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2010

R14-2-703 Section: B.1.b,c,d,f,h,i,k,&m

Tab V

2011 Purchased Power Information¹ - REDACTED

Company	(B.1.a) in-service date and book life or contract period	(B.1.b) Type of generating unit or contract	(B.1.m) Minimum Capacity (MW)	(B.1.c/B.1.d) Maximum Contract Capacity (MW)	(B.1.f) Average Heat Rate (BTU/kWh)	(B.1.i) Average Energy Cost 2010 (\$/MWh)	(B.1.k) Annual Demand Change (\$)	(B.1.h) Var O&M (\$/MWh)
Salt River Project (Eastern Area)	6/15/2010 - 6/14/2020	WSPP Agreement	0	60				
City of Azusa Exchange	1/1/2011 - 12/31/2011	WSPP Agreement	30	30				
PAC Exchange	9/21/1990 - 10/31/2020	Exchange	n/a	480				
CE Turbo LLC ²	1/27/2006 - 12/31/2029	Geothermal	0	12				
Aragonne Wind LLC ²	12/29/2006 - 12/31/2026	Wind	0	90				
Snowflake White Mountain ²	6/10/2008 - 5/15/2023	Biomass	0	14.5				
High Lonesome Wind Ranch, LLC ²	7/18/2009 - 7/18/2039	Wind	0	100				
Glendale Energy, LLC ²	1/13/2010 - 1/13/2030	Landfill Gas	0	2.86				
RE Bagdad Solar 1, LLC ²	12/30/2011 - 12/29/2036	Solar	0	15				
SunE AZ1, LLC ²	11/29/2011 - 11/28/2041	Solar	0	10.0				
RE AJO 1, LLC ²	9/27/2011 - 9/26/2036	Solar	0	4.5				

Notes:

1. Reflects contracts greater than or equal to 1 year in duration.
2. Renewable energy contracts.

**ARIZONA PUBLIC SERVICE COMPANY
2012 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2011**

Tab V

R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate							MWH
		SO ₂ (lb/MWH based on Ownership)	NO _x (ton/MWH based on Ownership)	CO ₂ (lb/MWH based on Ownership)	PM ₁₀ (lb/MWH based on Ownership)	CO (lb/MWH based on Ownership)	VOC (lb/MWH based on Ownership)	Hg (lb/GWH based on Ownership)	
Four Corners	1	1.40	8.45	2,312	0.20	0.32	0.0017	0.081	1,043,228
	2	1.38	7.42	2,307	0.34	0.31	0.0015	0.081	1,328,466
	3	1.89	7.50	2,562	0.60	0.31	0.0020	0.078	1,490,266
	4	1.57	4.38	1,913	0.10	0.28	0.0013	0.020	784,576
	5	1.88	4.56	1,949	0.10	0.28	0.0013	0.019	751,668
	Plant	1.62	6.80	2,271	0.32	0.30	0.0016	0.063	5,398,204
Navajo	1	0.53	2.41	2,150	0.29	0.23	0.027	0.028	652,174
	2	0.51	2.15	2,104	0.29	0.23	0.027	0.029	773,897
	3	0.55	2.28	2,123	0.30	0.23	0.028	0.029	804,469
	Plant	0.53	2.27	2,124	0.29	0.23	0.027	0.029	2,230,540
Cholla	1	2.43	2.65	2,470	0.062	0.27	0.032	0.053	861,875
	2	2.04	3.18	2,250	0.30	0.27	0.033	0.053	1,958,101
	3	1.79	3.09	2,533	0.17	0.27	0.033	0.055	1,799,393
	Plant	2.02	3.04	2,401	0.21	0.27	0.033	0.054	4,619,369
Ocotillo	1	0.009	1.3	1,559	0.087	0.27	0.063	0.0029	43,128
	2	0.009	1.4	1,558	0.087	0.27	0.063	0.0029	46,954

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R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate							MWH
		SO ₂	NO _x	CO ₂	PM ₁₀	CO	VOC	Hg	
West Phoenix	CT1	0.011	6.0	2,179	0.12	1.5	0.039	0.0047	1,096
	CT2	0.0138	7.4	2,691	0.152	1.9	0.048	0.0058	894
	Plant	0.0090	1.5	1,577	0.088	0.30	0.062	0.0030	92,072
	CC1	0.0069	3.4	1,346	0.0739	0.15	0.024	0.0029	109,974
	CC2	0.0071	3.5	1,376	0.0755	0.15	0.025	0.0029	98,964
	CC3	0.0061	0.50	1,201	0.0096	0.59	0.09	0.0025	84,568
	CC4	0.0051	0.36	1,076	0.011	0.027	0.039	0.0024	158,031
	CC5	0.0163	0.16	931	0.0148	0.080	0.024	0.0019	1,250,625
	CT1	0.016	8.7	3,173	0.18	2.2	0.057	0.0068	377
	CT2	0.017	9.0	3,276	0.19	2.3	0.059	0.0070	658
	Plant	0.0050	0.60	1,012	0.022	0.11	0.028	0.0021	1,703,197
Redhawk	CC1	0.0044	0.148	876	0.024	0.10	0.0041	0.0019	2,034,518
	CC2	0.0044	0.112	884	0.021	0.09	0.0017	0.0019	1,541,034
	Plant	0.0044	0.132	880	0.023	0.09	0.0031	0.0019	3,575,552
Yucca	CT1	0.0118	6.3	2,286	0.13	1.6	0.041	0.0049	578
	CT2	0.011	6.0	2,192	0.12	1.5	0.040	0.0047	536
	CT3	0.009	4.8	1,744	0.10	1.2	0.031	0.0037	5,837
	CT4	1.1	24.1	4,410	0.31	0.09	0.011	0.0328	224

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Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate							MWH
		SO2	NOx	CO2	PM10	CO	VOC	Hg	
Saguaro	CT5	0.0073	0.24	1,428	0.060	0.019	0.023	0.0027	82,242
	CT6	0.0071	0.23	1,396	0.059	0.012	0.022	0.0026	83,948
	Plant	0.009	0.46	1,432	0.061	0.066	0.023	0.0027	173,365
	CT1	0.011	6.0	2,175	0.12	1.5	0.039	0.0047	428
	CT2	0.021	11.0	4,024	0.23	2.8	0.073	0.0086	10
Douglas	CT3	0.0000	0.79	1,574	0.043	0.28	0.043	0.0033	7,994
	Plant	0.0005	1.1	1,626	0.045	0.35	0.048	0.0034	9,572
	CT1	0.90	19.0	3,487	0.25	0.071	0.0089	0.026	286
Sundance	Plant	0.90	19.0	3,487	0.25	0.071	0.0089	0.03	286
	All	0.0062	0.28	1,343	0.015	0.13	0.040	0.0026	117,818
	Plant	0.0062	0.28	1,343	0.015	0.13	0.040	0.0026	117,818
Nuclear Hydro Biomass Solar	All	0	0	0	0	0	0	0	9,101,858
	All	0	0	0	0	0	0	0	0
	All	0	0	0	0	0	0	0	0
	All	0	0	0	0	0	0	0	84,568

Tab V

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

***Does not include biomass**

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Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate (Tons per year based on Ownership)							
		SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH
Four Corners	1	731.4	4,407.6	1,206,092	105.8	165.4	0.9	0.042	1,043,228
	2	914.5	4,931.3	1,532,283	224.1	207.0	1.00	0.054	1,328,466
	3	1,406.2	5,585.9	1,909,156	446.9	231.6	1.5	0.058	1,490,266
	4	614.7	1,720.1	750,602	40.3	111.7	0.50	0.0078	784,576
	5	706.6	1,712.9	732,416	35.7	105.2	0.50	0.0073	751,668
	Plant	4,373.5	18,357.8	6,130,550	852.8	821.0	4.4	0.17	5,398,204
Navajo	1	173.4	785.9	701,116	95.1	73.9	8.9	0.009	652,174
	2	197.8	833.2	814,123	113.1	87.8	10.6	0.0110	773,897
	3	222.7	915.5	853,893	119.0	92.5	11.1	0.012	804,469
	Plant	593.8	2,534.5	2,369,132	327.2	254.2	30.5	0.032	2,230,540
Cholla	1	1,047.1	1,141.0	1,064,262	27.0	115.1	13.9	0.023	861,875
	2	1,994.3	3,112.8	2,202,569	297.5	262.6	31.8	0.052	1,958,101
	3	1,613.3	2,776.1	2,278,657	152.2	243.5	29.5	0.050	1,799,393
	Plant	4,654.7	7,030.0	5,545,488	476.6	621.1	75.2	0.12	4,619,369
Ocotillo	1	0.2	28.3	33,616	1.9	5.9	1.36	0.000063	43,128
	2	0.2	33.9	36,575	2.0	6.4	1.47	0.000068	46,954
	CT1	0.006	3.3	1,194	0.07	0.8	0.021	0.000003	1,096
	CT2	0.0062	3.3	1,203	0.07	0.8	0.022	0.000003	894
	Plant	0.4	68.7	72,588	4.1	14.0	2.9	0.000136	92,072
West Phoenix	CC1	0.38	187.2	74,028	4.1	8.2	1.3	0.00016	109,974
	CC2	0.35	172.1	68,065	3.7	7.6	1.2	0.00015	98,964

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Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate (Tons per year based on Ownership)								
		SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH	
Redhawk	CC3	0.26	20.9	50,778	0.4	24.8	3.7	0.00011	84,568	
	CC4	0.40	28.6	84,983	0.9	2.2	3.0	0.00019	158,031	
	CC5	2.9	98.0	582,400	9.2	50.1	14.7	0.0012	1,250,625	
	CT1	0.003	1.6	598	0.03	0.4	0.011	0.000001	377	
	CT2	0.006	3.0	1,078	0.06	0.8	0.019	0.000002	658	
	Plant	4.3	511.5	861,930	18.4	94.0	24.1	0.0018	1,703,197	
	CC1	4.5	150.0	891,429	24.8	102.2	4.2	0.0019	2,034,518	
	CC2	3.4	86.0	681,136	16.4	66.5	1.3	0.0014	1,541,034	
Yucca	Plant	7.9	236.0	1,572,565	41.2	168.7	5.5	0.0033	3,575,552	
	Axis	0	0	0	0	0	0	0	0	
	CT1	0.0034	1.8	661	0.037	0.46	0.0119	0.000001	578	
	CT2	0.0030	1.61	587	0.033	0.41	0.0106	0.000001	536	
	CT3	0.026	14.0	5,090	0.29	3.6	0.092	0.000011	5,837	
	CT4	0.13	2.7	494	0.04	0.01	0.0013	0.000004	224	
	CT5	0.30	9.9	58,738	2.5	0.79	0.93	0.000110	82,242	
	CT6	0.30	9.9	58,601	2.5	0.49	0.93	0.000110	83,948	
Saguaro	Plant	0.76	39.8	124,170	5.3	5.7	2.0	0.00024	173,365	
	1	0	0.49814	538	0.01	0.11	0.02	0.000001	673	
	2	0	0.2766	470	0.01	0.10	0.02	0.000001	467	

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Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

Plant	Unit	2011 Unit Emissions Rate (Tons per year based on Ownership)								
		SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH	
	CT1	0.0024	1.3	465	0.026	0.33	0.008	0.000001	428	
	CT2	0.0001	0.1	20	0.001	0.01	0.0004	0.00000004	10	
	CT3	0.00	3.2	6,291	0.17	1.1	0.17	0.000013	7,994	
	Plant	0.002	5.3	7,784	0.22	1.7	0.23	0.000016	9,572	
Douglas	CT1	0.13	2.7	499	0.036	0.01	0.0013	0.000004	286	
	Plant	0.13	2.7	499	0.0	0.0	0.0	0.000004	286	
	All	0.4	16.2	79,088	0.9	7.8	2.4	0.000153	117,818	
	Plant	0.37	16.2	79,088	0.9	7.8	2.4	0.00015	117,818	
Nuclear	All	0	0	0	0	0	0	0	9,101,858	
Hydro	All	0	0	0	0	0	0	0	0	
Biomass	All	0	0	0	0	0	0	0	0	
Solar	All	0	0	0	0	0	0	0	84,568	
TOTAL COAL**		9,622.0	27,922.3	14,045,169	1,656.6	1,696.3	110.1	0.33	12,248,113	
TOTAL GAS/OIL**		13.9	880.2	2,718,624	70.1	291.9	37.0	0.0057	5,671,862	
TOTAL FOSSIL**		9,635.9	28,802.4	16,763,793	1,726.7	1,988.2	147.2	0.33	17,919,975	
TOTAL		9,635.9	28,802.4	16,763,793	1,726.7	1,988.2	147.2	0.33	27,106,401	

*Units are measured in lb/GWh

**Does not include biomass

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Tab V

R14-2-703 Section: B.1.q

Water consumption quantities and rates

2011 Generation Water Use		
	Acre Feet Consumed	Gallons/MWH
Cholla	15,720	701
Four Corners	23,619	548
Ocotillo	299	1,058*
Palo Verde Groundwater	73,171	762
Palo Verde Effluent	2,154	22
Palo Verde Total	71,019	740
Redhawk Groundwater	3,399	310
Redhawk Effluent	345	31
Redhawk Total	3,051	278
Saguaro	191	6,487*
Sundance	91	252
West Phoenix	2,288	438
Yucca	539	499
Total APS Generation	195,885	665

*Ocotillo and Saguaro are unique in the APS fleet as peaking facilities which produce energy typically only when energy demands are high. However, they require using water on a continual basis to maintain systems on site. The G/MWH rates for these facilities are misleading due to the relatively small quantities of energy generated. In absolute terms, they only account for 0.25% of APS water usage in 2010 and are critical to supporting APS obligation to serve our customers.

¹ All numbers represent total plant use and not APS share of ownership.

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Tab V

R14-2-703 Section: B.1.r

Tons of coal ash produced per generating unit - 2011¹

		<u>Tons Fly Ash</u>	<u>Tons Bottom Ash</u>
Cholla	Unit 1	55,114	13,778
	Unit 2	127,001	31,750
	Unit 3	117,645	29,411
	Unit 4	174,214	43,554
	Total Cholla	473,974	118,493
Four Corners	Units 1,2,3	413,113	103,278
	Units 4,5	1,059,033	262,677
	Total Four Corners	1,472,146	365,955
Total Company		1,946,120	484,448

¹ Numbers represent APS operated coal plants and do not reflect APS's share of ownership.

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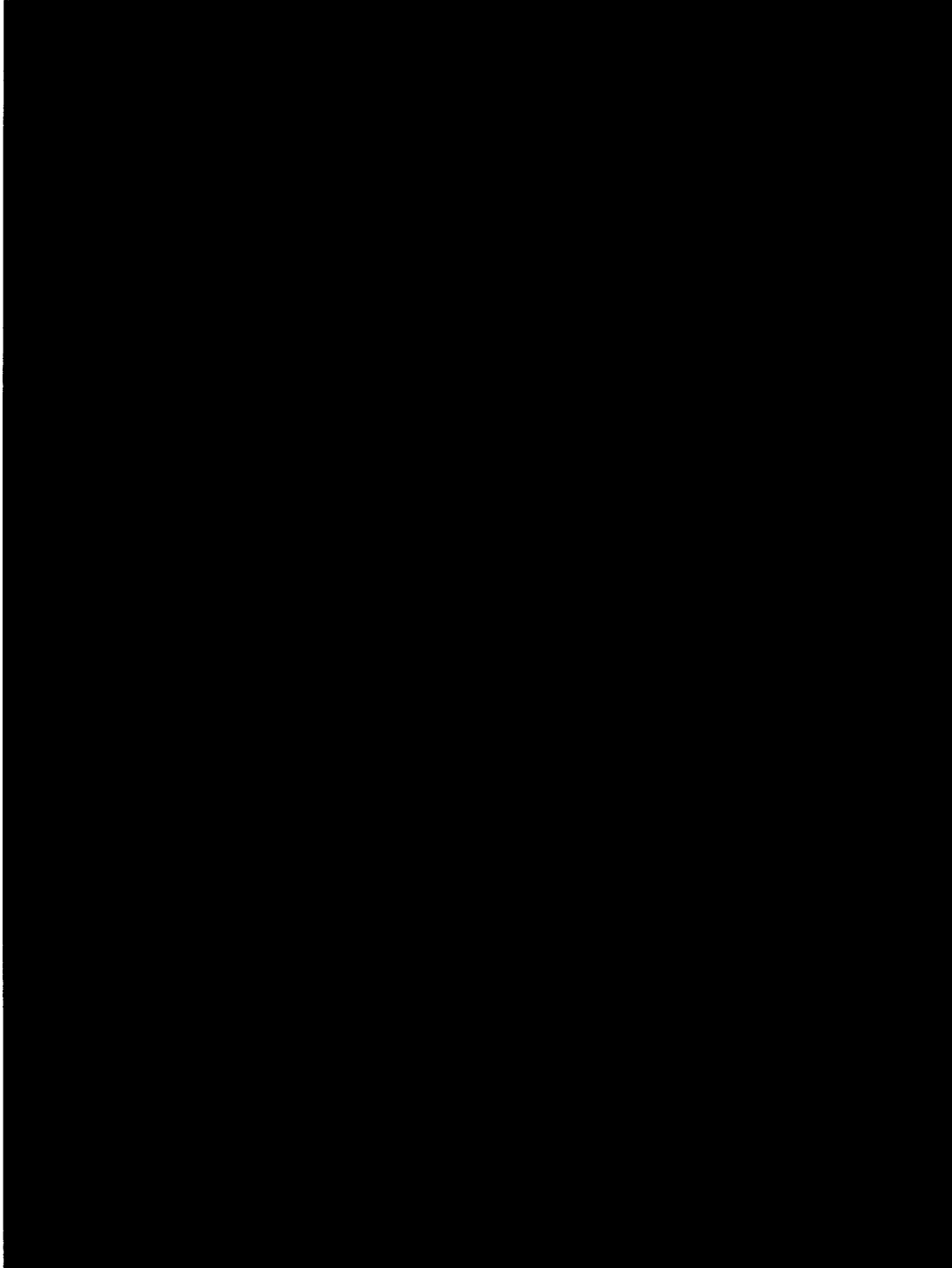
R14-2-703 Section: B.1.p

2011 Emissions (Purchase Power Agreements)¹ - REDACTED

Total Tons

(B.1.p)

<u>SO2</u>	<u>NOx</u>	<u>CO2</u>	<u>PM10</u>	<u>CO</u>	<u>VOC</u>	<u>Hg*</u>	<u>Annual MWH</u>
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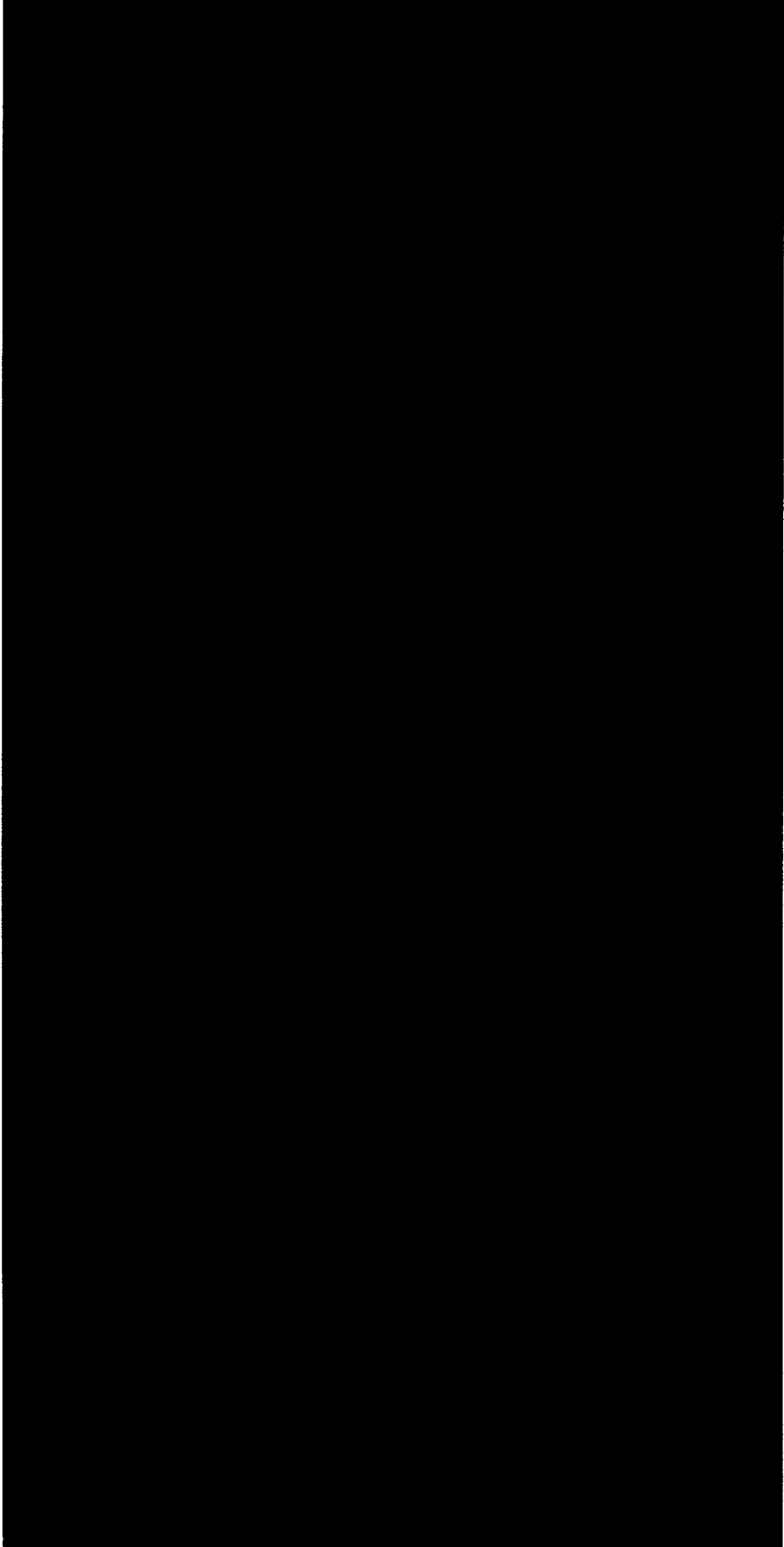
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R14-2-703 Section: B.1.p,q,r

2011 Emissions/Water Use (Purchase Power Agreements)¹ - REDACTED

lb/MWH							Generation Water Use			
(B.1.p)							(B.1.q)			
SO ₂	NO _x	CO ₂	PM ₁₀	CO	VOC	Hg*	Annual MWH	Tons of Coal Ash ²	Acres Consumed	Gallons/MWH



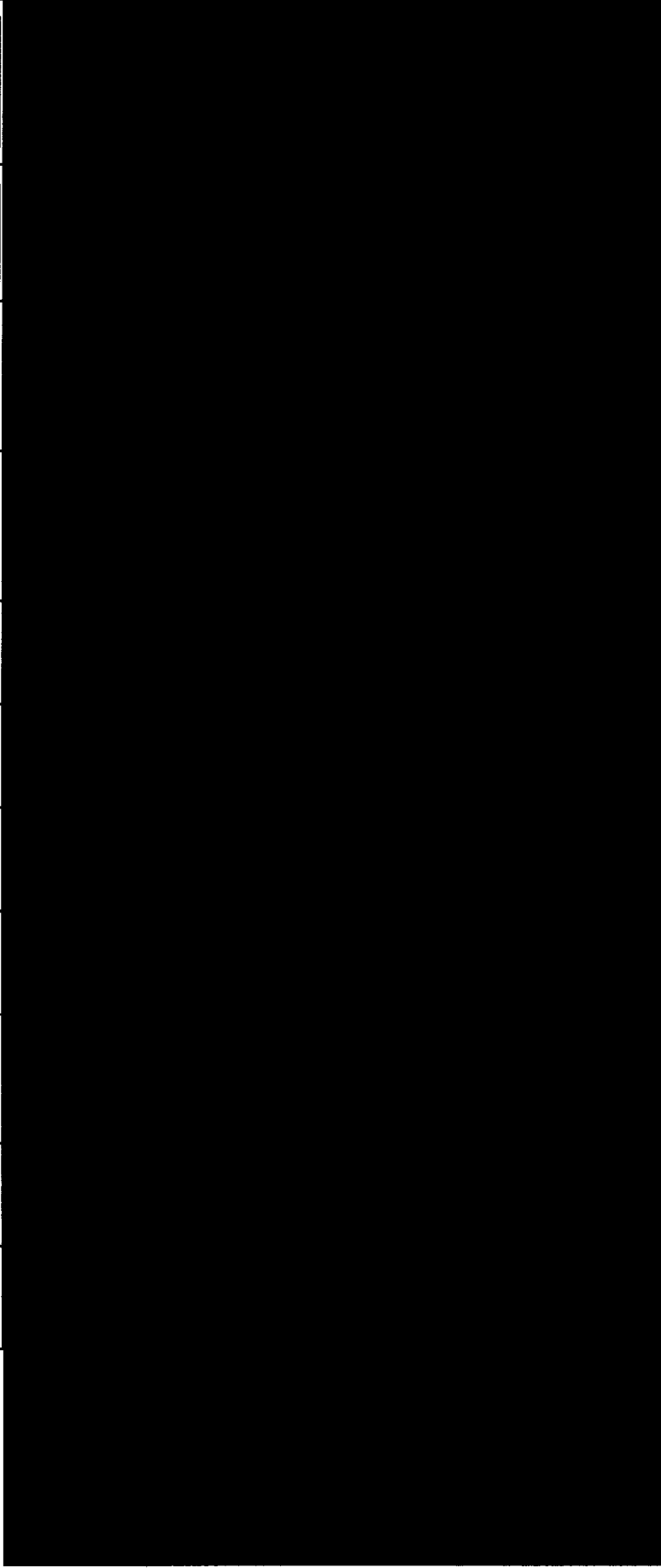
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R14-2-703 Section: B.1.p,q,r

2011 Emissions/Water Use (Purchase Power Agreements)¹ - REDACTED

lb/MWH										Generation Water Use	
(B.1.p)										(B.1.q)	
SO ₂	NO _x	CO ₂	PM ₁₀	CO	VOC	Hg*	Annual MWH	Tons of Coal Ash ²	Acre Feet Consumed	Gallons/MWH	



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Tab VI

R14-2-703 Section B.2.a

A Description of Generating Unit Commitment Procedures

APS optimizes the use of its resources to serve native load in the most economical manner possible, while maintaining grid reliability. The process begins by forecasting the load on a day ahead basis. The load forecast is entered into a unit commitment and dispatch model (PCI GenTrader®/GenPortal®) that determines the most economic unit commitment plan for serving load, taking into account generating unit capabilities, intermittent resource production forecasts (wind, solar), fuel prices and transmission constraints. This commitment plan shows the units to be committed each hour, their projected loading level and the quantity of natural gas to be scheduled.

As part of the process, the model calculates prices for blocks of energy to help determine if it would be cheaper to buy power from the market rather than running generating units. The Day Ahead Trader compares these calculated block energy prices with actual power prices being offered in the market, then purchases either on-peak or off-peak blocks of energy, if economical. The model also calculates the breakeven price for making sales out of our generating units, after taking into account native load and any other pre-existing power sales commitments. If economical, the Day Ahead Trader will make power sales in the market.

The day ahead commitment plan is turned over to Real Time Operations to implement. The Real Time Traders update the load and available resource forecasts and re-run the unit commitment and dispatch model to fine tune the commitment plan. They also check the hourly market to make purchases and sales of power to further optimize the system. Any Demand Response products that can be utilized within the day are also considered.

The Real Time Traders commit (start) and de-commit (shutdown) generating units as needed to meet load and sales commitments. They also update the plan as needed for generating unit or transmission outages, optimizing utilization of available resources. Additional items which must be considered during the unit commitment process include: jointly owned units which may be requested on-line by their owners, fuel supply issues, the need to operate units for voltage or other problems due to temporary line outages, unit minimum on-line and off-line time requirements, and environmental constraints.

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Tab VI

R14-2-703 Section: B.2.b

2011 Production Cost

Total Power Production expenses for the Calendar Year 2011 including O&M, Fuel and Purchased Power were \$1,433,304,007 of which \$(87,001,176) was related to Deferred Fuel.

Fuel and Purchased Power expenses including interchange for the Calendar Year 2011 were \$987,202,246 of which \$(87,001,176) was related to Deferred Fuel.

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Tab VI

R14-2-703 Section: B.2.c

2011 Reserve Requirement

The actual Reserve Margin for 2011 was 1253.0 MW or 28.7% at the time of system peak. Total resources and Class A Interruptible exceeded our load and firm off system sales by this amount.

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Tab VI

R14-2-703 Section: B.2.d

2011 Spinning Reserve

The Company maintains spinning reserve in compliance with quotas assigned by the Southwest Reserve Shargin Group for the Calendar Year 2011, these quotas were:

<u>2011</u>	<u>Spinning Reserve Capacity (MW)</u>
January	188
February	178
March	188
April	189
May	191
June	233
July	266
August	295
September	265
October	175
November	154
December	185

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Tab VI

R14-2-703 Section: B.2.e

2011

Reliability of Generating, Transmission and Distribution Systems

APS follows the Institute of Electrical and Electronics Engineers (IEEE) 1366 – 2003, "Guide for Electric Power Distribution Reliability Indices" for measuring reliability. Three of the most common indicators used for measuring reliability are SAIFI (System Average Interruption Frequency Index), SAIDI (System Average Interruption Duration Index) and CAIDI (Customer Average Interruption Duration Index). These indicators are calculated with "Major Event Days" excluded, in accordance with Sections 3.13, 4.5 and Annex B.

The data provided below will be the portion of SAIFI, SAIDI, and CAIDI due to Generation, Transmission, and Distribution causes, respectively. The total of all three is the overall reliability experienced by APS customers.

Generation Reliability

SAIFI	0
SAIDI (minutes)	0
CAIDI (minutes)	0

Transmission Reliability

SAIFI	0.15
SAIDI (minutes)	14
CAIDI (minutes)	95

Distribution Reliability

SAIFI	0.65
SAIDI (minutes)	65
CAIDI (minutes)	100

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Tab VI

R14-2-703 Section: B.2.f

2011 Power Purchase and Sales Prices

Jan-11	\$32.69	\$35.22
Feb-11	\$31.94	\$32.48
Mar-11	\$25.67	\$27.97
Apr-11	\$22.63	\$31.87
May-11	\$28.10	\$30.92
Jun-11	\$32.46	\$36.17
Jul-11	\$40.18	\$43.30
Aug-11	\$43.44	\$42.54
Sep-11	\$35.42	\$37.63
Oct-11	\$30.50	\$34.24
Nov-11	\$28.14	\$34.89
Dec-11	\$32.36	\$34.41

Note 1: Average purchase price represents all short-term power purchases (less than 3 years) divided by the associated megawatt hours.

Note 2: Average sale price represents total short-term power sales (less than 3 years) divided by the associated megawatt hours.

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Tab VI

R14-2-703 Section: B.2.g

2011 Energy Losses

Energy losses for the Calendar Year 2011 were 6.6%.

*Energy losses shown are exclusive of APS unregulated activities.

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Tab VII

R14-2-703 Section B.3

**Total Interconnected Distributed
Generation kW**

A. Total reported for end of 2010: 190,111.8 kW

B. Total for 2011 report:

Total for end of 2010:	190,111.8 kW
Rounding & small load adjustments	76.6 kW
Subtotal:	190,188.4 kW
Plus new projects added in 2011:	72,573.9 kW
Total for 2011 report:	262,762.3 kW

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Tab VIII

R14-2-703 Section: B.4

An explanation of any resource procurement processes used by the load-serving entity during the previous calendar year that did not include the use of an RFP, including the exception under which the process was used.

Following the success of the "2010 Request for Proposals for Photovoltaic Generation Resources" ("2010 RFP") and quality of the short-listed bids in that RFP, APS issued a follow up targeted requisition in late 2010 based upon the short list created in the 2010 RFP. APS used that short list to procure a substitute project in a timely manner for another AZ Sun project which had encountered significant delays. The solicitation was targeted to five potential respondents that had bid in the 2010 RFP who all had received high qualitative scores in the evaluation phase. The resulting agreement was executed on February 11, 2011 for the Paloma Project, a 17 MW solar PV project with First Solar under the AZ Sun program. This agreement resembles a bilateral agreement since it was not executed as a result of a "full" competitive procurement process.

The RFP exception under which that transaction was completed is R14-2-705.B(6). The transaction was necessary for APS to satisfy obligations under the RES rules. The use of an RFP in this case would not have allowed for timely AZ Sun program implementation. Nonetheless, APS retained an independent monitor to review the requisition, evaluation processes, and bid comparison to the 2010 RFP. The Independent Monitor's review was documented in a formal report on April 11, 2011.